Lancaster Farming

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# Ag Progress Days Has Water Quality Theme

All roads lead to Rock Spring this week when Pennsylvania agriculture has its yearly summer fling near State College in Centre County. Ag Progress Days begin Tuesday, August 19, and run through Thursday, August 21. With many features of interest to all segments of agriculture, the theme of APD 1986 is "Water Quality in Your Life" with a dozen exhibits reflecting College of Agriculture research and extension programs. Exhibits in the theme building include:

• **Sulfur and Iron Removal**– featuring an original PSU designed working home water treatment system that can hook into well or municipal water systems.

• **Spray Nozzels and Water Quality**– Safe chemical application for farmers.

• **Protect Your Groundwater**– How to.

• **Livestock Lot Runoff**– Model showing recommended drainage procedures to control runoff from livestock pens.

• **Animals and Water**– Quality and quantity water needs of dairy cattle, poultry, and swine.

• **Water, At What Price?**– Puts water costs in perspective compared to other services and products. Also shows the costs of not having good water such as the costs of giardia outbreaks.

• **Acid Rain in PA Its Effects**– Facts and figures.

• **Insects and Water Quality Assessment**– Will feature two live stream environments to demonstrate that microscopic insect life in streams is an early indicator of water quality. When certain insects begin to die, that is the earliest indicator of a drop in

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Lieutenant Governor William Scranton visits with the Don Hoffer family Wednesday (left to right) Kent, Scranton, Hoffer, Mrs. Hoffer and Kristen.

# *Carolina Jersey Breeder Tells About Drought*

BY GINGER SECHRIST MYERS
Adams Co. Staff Correspondent

MOORESVILLE, N.C. – Gene Harris surveyed the rain-soaked field where only a week earlier his four-foot, earless, corn had stood. He apologized for the amount of Johnson grass still growing there, but explained that he and his brother Bill, with whom he farms, had spent $5000.00 this year for weed control, but without rain they had gotten poor results. They now plan to leave the Johnson grass grow, cut it, and bale it for hay.

The Harris brothers had to cut their corn for silage to feed their 200 head Jersey herd. Within a week, the sky finally let loose the first measurable moisture they've had since Thanksgiving. The

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**The 1986 Summer Drought Hay Fund now has a total of $9,780. If you want to contribute to this drought hay fund, make your checks payable to 1986 Summer Drought Hay Fund. Then send your check to Lancaster Farming newspaper, 22 East Main Street, P.O. Box 366, Lititz, PA 17543, attention Hay Fund or attention Editor.**

## *'Awful Heavy 'n Nice'*

Although many of his tobacco stalks were twisted from this summer's violent thunderstorms, overall, Manheim farmer Clarence Metzler (on wagon) was tickled with his robust crop. Earlier this week, Barry Rowe (left), along with half a dozen other friends, helped Metzger get his crop into the barn. At 76 year old, Metzler's been farming tobacco for nearly 60 years. "Work'll never kill you, but worryment will," he advises.

Names Ag. Committee

# Scranton Wants To Expand Farm Markets

BY EVERETT NEWSWANGER
Managing Editor

LEBANON – "We are a state with a diversified agricultural base and a strong family farm heritage," said Lieutenant William Scranton Wednesday. "And we deserve a government that will expand upon the efforts made in recent years to get Pennsylvania produce and farm products to the markets–markets not only in Pennsylvania, but into other states in the region and abroad. That will be one of my top priorities."

These remarks were made when the Lieutenant Governor visited the Lebanon family farm of Donald Hoffer to announce the formation of a statewide agricultural committee in support of the Scranton/Fisher ticket for governor in the fall elections. "Ag is number one in Pennsylvania but it can grow. It must grow," Scranton said. "Anyone who would govern Pennsylvania must address not only the concerns and problems of agriculture, but must also address the opportunities we all see."

In addition to marketing, the Governor listed the preservation of prime farm land and animal health as top priorities. "Our prime farm land is a treasure Pennsylvania must maintain," Scranton said. "Firt of all it's a nonrenewable resource and we must protect it against development. We need to be able to hand farms down from generation to generation. And we must keep it in production. If that means reducing tax burdens, issuing development rights or expanding markets, we must do it. We must gear everything state government does to preserve the family farm and the vitality of the soil," he said.

A group of family farmers, animal health professionals and representatives from agribusiness gathered at the Lebanon R4 farm to hear the Lieutenant Governors remarks. Later Scranton and Hoffer toured the barn and surrounding fields. The state "Agriculture for Scranton Committee" announced at the farm visit included the following persons: Dr. Mark Allam, Swarthmore; I. Hershey Bare,

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## *Lancaster Co. Holstein Club Sale*

Allegen Valiant Twinkle, the VG88 show cow with embryo guarantee from D. Lamar Witmer, sold for $5,100 Thursday evening to Arlen Keener and Larry Wenger at the Lancaster County Holstein Sale held at the Lampeter Fairgrounds. In addition, the Twinkle cow was milking right at 100 pounds and had records to 31,580 milk and 1,098 fat.

The red cow Marlu Alban Prissy ET from Stonehurst Farm sold to Elam Stoltzfus for $3,100. The Prissy cow was G+ out of an Excellent cow with a string of records to 25,420 milk and 971 fat. In all 43 head sold for a total of $62,900 and averaged $1,463. Mike Weimer was the auctioneer and Jay Howes read the pedigrees. Members of the Lancaster County Holstein Association worked the ring and cared for the animals in the barn.

# Livestock market and auction news

## Lancaster Market

**Monday, Aug. 11**
**Report Supplied by USDA**

| Cattle | Calves | Hogs | Sheep | Goats |
|---|---|---|---|---|
| Monday's Receipts | | | | |
| 1501 | 132 | 534 | 458 | 365 |
| Monday's Auction | | | | |
| 1560 | 146 | 471 | 577 | 406 |
| Last Monday's Auction | | | | |
| 1065 | 134 | 371 | 719 | 409 |
| Last Year's Auction | | | | |
| 1287 | 162 | 535 | 302 | 365 |

CATTLE: Compared to Thursday slaughter steers firm to 50 higher; slaughter heifers fully 1.00 higher; cows fully 50 higher; bullocks 50-1.00 higher; bulls steady. Supply included 75% slaughter steers, 7% slaughter heifers, 9% cows, and 9% bulls.

SLAUGHTER STEERS: High Choice and Prime 2-4 1110-1350 lb. 63.35-65.00; Choice 2-4 1040-1400 lb. 60.25-63.10; high Good and low Choice 1-3 980-1300 lb. 58.00-60.25; Good 1-3 55.50-58.00; Good and Choice 1-3 Holsteins 1270-1475 lb. 47.00-50.50, few head up to 51.50.

SLAUGHTER HEIFERS: Choice 2-4 950-1240 lb. 54.00-60.25, few Choice 2 61.00-61.75; Good 2-3 900-1210 lb. 52.75-54.50.

COWS: Breaking Utility and Commercial 2-4 36.50-40.00, few to 41.00; high Cutter and Boning Utility 1-3 36.00-39.00, few high dressing individuals 40.50; Canner and low Cutter 32.50-36.00.

BULLOCKS: Choice 2-3 1085-1420 lb. 52.00-54.75; Good 1-3 1025-1350 lb. 47.00-51.00.

BULLS: Yield grade 1 1240-1875 lb. 49.00-52.75, few high dressing individuals up to 53.00; yield grade 2 1140-2460 lb. 45.00-49.00.

VEAL CALVES: Vealers and slaughter calves steady. Demand good for Holstein bulls to return to farm.

VEALERS: Choice 150-325 lb. 70.00-85.00; few high Good to mostly low Choice 180-325 lb. 65.00-70.00, 90-120 lb. 30.00-45.00.

SLAUGHTER CALVES: Good and Choice 350-475 lb. 50.00-65.00.

RETURNED TO FARM: Bulk 95-130 lb. Holstein bulls 65.00-75.00.

SHEEP: Spring lambs steady; slaughter ewes steady to 5.00 higher.

SPRING LAMBS: High Choice and Prime 80-110 lb. 65.00-70.00; Choice 80-110 lb. 63.00-75.00, 60-80 lb. 70.00-80.00, 60 lb. and down 80.00-110.00.

SLAUGHTER EWES: Utility and Good 25.00-42.00.

GOATS: All goats sold by the head; Large mature 50.00-75.00; Medium 35.00-50.00; Small 20.00-30.00.

## Vintage Cattle

**Tuesday, Aug. 12**
**Report Supplied by USDA**

| | Cattle | Calves | Sheep | Goats |
|---|---|---|---|---|
| Today | 1325 | 933 | 2 | 0 |
| Last Tuesday | 1256 | 1029 | 5 | 4 |
| Last Year | 1096 | 1034 | 18 | 1 |

CATTLE: Compared to Monday slaughter steers 50-1.00 lower; insufficient volume of slaughter heifers for a market test; cows steady; bulls firm. Supply included 62% steers and 30% cows.

SLAUGHTER STEERS: High Choice and low Prime 2-4 1100-1400 lb. 62.25-64.00, yield grade 1-2 individuals 64.10-65.35; Choice 2-4 1080-1375 lb. 59.75-62.35, mostly 60.50-61.75; few high Good and low Choice 1-2 61.00-63.85; Good 1-3 1000-1300 lb. 55.50-59.50; Good and Choice 1-3 Holsteins 1340-1500 lb. 46.00-47.10.

COWS: Breaking Utility and Commercial 2-4 36.00-40.00, few high dressing individuals 40.25-41.00; high Cutter and Boning Utility 1-3 35.75-39.50; Canner and low Cutter 33.75-36.75; Shelly Canner 28.00-33.75.

BULLS: Yield grade 1-2 1050-2145 lb. 45.00-49.50.

VEAL CALVES: Vealers mostly steady. Supply included 543 in graded sale of which 75% sold to return to farm.

VEALERS: Few Choice 140-280 lb. 69.00-72.00; high Good and low Choice 130-315 lb. 43.00-67.00, 80-110 lb. 32.00-41.00.

RETURNED TO FARM: Bulk 100-120 lb. Holstein bulls 69.00-72.00, 80-100 lb. 60.00-67.00. 80-115 lb. Holstein heifers 40.00-44.00.

SHEEP: No market test.

GOATS: No market test.

## Lancaster Auction

**Wednesday, Aug. 13**
**Report Supplied by USDA**

| Cattle | Calves | Hogs | Sheep | Goats |
|---|---|---|---|---|
| Wednesday's Receipts | | | | |
| 254 | 10 | 580 | 46 | 13 |
| Wednesday's Auction | | | | |
| 231 | 8 | 412 | 4 | 1 |
| Last Wed.'s Auction | | | | |
| 238 | 22 | 437 | 1 | 0 |
| Last Year's Auction | | | | |
| 337 | 36 | 262 | 0 | 0 |

CATTLE: Compared to Tuesday slaughter steers fully steady; cows steady; insufficient volume slaughter heifers and bulls to test trends. Supply included 79% steers.

SLAUGHTER STEERS: Few lots Choice and Prime 2-4 1175-1275 lb. 62.35-63.25; Choice 2-4 1100-1350 lb. 59.50-62.25; Good 1-3 1030-1285 lb. 56.75-59.50.

SLAUGHTER HEIFERS: Few Choice 2-3 Holsteins 1170-1300 lb. 45.00-50.00.

COWS: Breaking Utility 2-3 36.00-39.25; high Cutter and Boning Utility 1-3 34.75-37.75; Canner and low Cutter 32.25-35.00.

BULLS: Few yield grade 1-2 1810-2280 lb. Holsteins 45.75-50.00.

VEAL CALVES: Insufficient volume for a market test.

SHEEP: No market test.

GOATS: No market test.

## New Holland Livestock

**New Holland, Pa.**
**Thursday, August 14**

| Cattle | Calves | Sheep | Goats |
|---|---|---|---|
| 1082 | 632 | 159 | 138 |

Compared to Wednesday slaughter steers steady to weak. No comparison on slaughter heifers and bulls, cows steady to .50 lower. Supply included 64% steers, 27% cows, 5% heifers, with the balance bulls.

SLAUGHTER STEERS: High choice and prime 2-4 1200-1400 lbs. 61.85-63.00; Choice 2-4 1000-1350 lbs. 59.00-62.00. High good and low choice 2-3 1050-1300 lbs. 58.25-60.00. Good 1-3 1000-1300 lbs. 56.00-59.25. Good and choice holsteins 1-3 1190-1493 lbs. 46.00-51.50.

SLAUGHTER HEIFERS: Choice 2-4 975-1150 lbs. 56.00-58.25, Good 1-3 900-1240 lbs. 53.00-56.50.

COWS: Breaking utility 2-3 36.00-40.00; high cutter and boning utility 1-3 34.50-39.50; low cutter and canner 32.50-35.75; shelly canner 31.00-32.25.

BULLOCKS: Choice 2-3 1045-1410 lbs. 49.25-52.25, individual at 56.50. Good 1-2 1000-1250 lbs. 45.00-49.50.

BULLS: Yield grade 1 1150-1750 lbs. 48.25-53.50. Yield grade 2 1100-2430 lbs. 44.75-48.50.

VEAL CALVES: Vealers mostly steady. Demand good for holstein bulls to return to farm.

VEALERS: High choice and prime 220-350 lbs. 76.00-90.00, few 90.00-103.00, choice 150-300 lbs. 60.00-72.00; high good & low choice 200-400 lbs. 44.00-55.00; 120-200 lbs. 45.00-50.00; 90-120 lbs. 35.00-45.00.

RETURNED TO FARM: Bulk 95-130 lb. holstein bulls 62.00-77.00, few 75.00-84.00; several 80-110 small frame 50.00-65.00.

SHEEP: Spring lambs steady to $5.00 lower; slaughter ewes $5.00 lower.

SPRING LAMBS: Choice & prime 80-110 lbs. 63.00-70.00; 60-80 lbs. 70-80.

SLAUGHTER EWES: Utility and good 18.00-24.00.

GOATS: All goats sold by the head; large mature 50.00-80.00; Medium 30.00-45.00; small 15.00-25.00.

## Lancaster County Weekly

**Friday, Aug. 15**
**Report Supplied by PDA**

| | Cattle | Calves |
|---|---|---|
| This Week | 4350 | 1710 |
| Last Week | 4148 | 1850 |
| Last Year | 3791 | 1911 |

CATTLE: Sl. steers closed 1.00 lower for the week after opening slightly higher; limited sales of sl. heifers 1.00-2.00 higher; cows steady; bullocks .50-1.00 higher; bulls 1.00 higher. Supply included 66 per cent slaughter steers, 6 per cent sl. heifers, 19 per cent cows, 5 per cent bulls with the balance feeders.

SLAUGHTER STEERS: High Choice & Prime 2-4, 1100-1400 lb. 61.85-64.00; Good & Choice 1-2, 1100-1350 lb. 61.00-63.85; Choice 2-4, 1000-1300 lb. 59.00-62.00; High Good & Low Choice 2-3, 1050-1300 lb. 58.25-62.00; Good 1-3, 1100-1300 lb. 56.00-59.50; Good & Choice 1-3 holsteins 1190-1500 lb. 46.00-50.00; few Choice 50.00-51.50.

SLAUGHTER HEIFERS: Choice 2-4, 950-1240 lb. 56.00-59.00; few early sales 60.00-61.75; Good 1-3, 900-1150 lb. 53.00-56.50.

COWS: Breaking Utility & Commercial 2-4, 35.50-40.00, few to 41.00; High Cutter 1-3, 34.50-39.50; Canner & Low Cutter 32.50-35.75; few shelly Canners 31.00-32.50.

BULLOCKS: Choice 2-3, 1045-1420 lb. 49.25-32.25, few 53.00-54.75; Good 1-2, 1000-1250 lb. 45.00-49.50.

BULLS: YG 1, 1150-2100 lb. 48.25-53.50; YG 2, 1100-2430 lb. 44.75-48.50.

VEAL CALVES: Vealers steady throughout the week; calves steady; demand good for hol. bull calves to return to farm.

VEALERS: High Choice & Prime 220-350 lb. 76.00-90.00, few 90.00-103.00; Choice 150-300 lb. 60.00-72.00; holsteins Good & Low Choice 200-400 lb. 44.00-55.00; 120-200 lb. 45.00-50.00; 90-120 lb. 35.00-45.00.

SLAUGHTER CALVES: Good & Choice 350-425 lb. 50.00-65.00.

RETURNED TO FARM: Bulk 95-135 lb. hol. bulls 62.00-77.00, few 75.00-84.00; small frame 80-110 lb. 50.00-65.00.

## Indiana Livestock

**Homer City, Pa.**
**Thursday, August 14**
**Report supplied by PDA**

CATTLE: 188. Slaughter cows mostly steady; 1 High Choice sl. steer 61.25; Choice 55.00-60.00; Good 51.75-55.50; few Standard 44.00-49.00; few Choice sl. heifers 53.00-58.00; Good 48.00-52.50; Standard 42.50-48.00; few Utility 37.00-41.50; Breaking Utility & Commercial slaughter cows 36.00-39.75, 1, 42.35; Cutter & Boning Utility 34.00-37.50; Canner & Low Cutter 30.00-34.50; shells down to 21.00; YG No. 1, 1200-1900 lb. sl. bulls 45.00-51.75; few YG No. 2, 1000-1300 lb. 41.00-43.50.

FEEDER CATTLE: Steers few Med. Frame No. 1, 400-650 lb. 50.00-58.00; bulls few Med. & Large Frame No. 1, 600-800 lb. 46.00-55.00.

CALVES: 158. Few Choice vealers 70.00-74.50; few Good 57.00-66.50; Standard 46.00-55.00; Standard & Good 90-120 lb. 41.00-46.50; 60-85 lb. 38.00-42.00; few Utility 50-90 lb. 22.00-30.00.

FARM CALVES: Holstein bulls 90-125 lb. 55.00-75.00.

HOGS: 93. Barrows & [illegible] higher; No. 1-2, 215-[illegible] 64.00; No. 1-3, 210-[illegible] 63.00; lot No. 2-3, 275 l[illegible]; gilts No. 1-3, 350-[illegible] lb. 51.[illegible]; No. 2-3, [illegible] lb. [illegible]; 1 boar 30.25.

FEEDER PIGS: 46. Lot No. 1-3, 25 lb. 29.00 per head; 35-45 lb. 39.00-48.00; few Utility 25 lb. 27.00 per head.

SHEEP: 49. High Choice & Prime 75-85 lb. 68.00-70.00; lot Choice 106 lb. 63.00; small lot Good & Choice 55 lb. feeder lambs 58.00; sl. sheep 16.00-25.00.

GOATS: 2. 35.00 and 39.50.


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8:00 A.M. —Slaughter Hogs
10:00 A.M. —Slaughter Bulls, Heifers, Steers, Cows
11:00 A.M. —Veal Calves, Lambs
FRIDAY
11:00 A.M. —Stocker and Feeder Cattle
SATURDAY
8:00 A.M. —Slaughter Hogs
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# HOG MARKETS

## Lancaster Hogs

**Monday, Aug. 11, 1986**

HOGS: Compared to last Wednesday barrows and gilts 1.00 higher; sows under 500 lb. 1.00 higher, over 500 lb. 2.00-3.00 higher.

BARROWS AND GILTS: US 1-2 210-245 lb. 64.00-65.00; US 1 220-240 lb. 65.00-67.00; US 1-3 210-250 lb. 63.00-64.00; US 2-3 220-260 lb. 62.00-63.00.

SOWS: US 1-2 300-480 lb. 44.00-49.00; US 1-3 490-650 lb. 49.00-54.00.

**Wednesday, Aug. 13, 1986**

HOGS: Compared to Monday barrows and gilts 1.00 lower; sows weighing 300-500 lb. steady, 500-600 lb. steady to 2.00 lower.

BARROWS AND GILTS: US 1-2 210-245 lb. 63.00-63.75; US 1 Few 220-240 lb. 64.00-65.75; US 2-4 210-250 lb. 61.00-62.00.

SOWS: US 1-3 300-500 lb. 44.00-51.00; 500-650 lb. 49.00-51.00.

## New Holland Feeder Pigs

**Wednesday, Aug. 13, 1986**
**Report Supplied by Auction**

| | |
|---|---|
| Today | 1215 |
| Last Wednesday | 1055 |
| Last Year | 730 |

**TREND: Compared to last Wednesday feeder pigs uneven, 6.00 lower to 4.00 higher. All pigs weighed on arrival and sold by the hundred weight.**

**US 1-2: 260 hd. 30-39 lbs. 130.00-147.00; 241 hd. 40-49 lbs. 110.00-142.00; 75 hd. 50-59 lbs. 103.00-112.00; 95 hd. 60-85 lbs. 80.00-100.00.**

**US 2-3: 106 hd. 30-39 lbs. 120.00-140.00; 65 hd. 40-49 lbs. 84.00-112.00; 70 hd. 50-60 lbs. 86.00-111.00.**

## State Graded Feeder Pig Sale

**Westminster Livestock**
**August 8, 1986**

Trend: Compared to last July's State Graded Sale pigs were a firm 20.00 higher. Total supply included 1,009 pigs of which 816 head graded 1&2's or 2's. All pigs weighed on arrival and sold by the hundred weight.

US 1&2's: (415 hd.) 23 hd. 26-29 lbs. 135.00-137.50; 102 hd. 30-39 lbs. 125.00-149.00; 93 hd. 40-49 lbs. 117.50-139.00; 144 hd. 50-59 lbs. 108.00-127.50; 53 hd. 60-62 lbs. 100.00-123.00.

US 2's: (401 hd.) 67 hd. 23-29 lbs. 120.00-147.50; 102 hd. 31-39 lbs. 118.00-145.00; 99 hd. 41-49 lbs. 117.00-142.00; 49 hd. 51-59 lbs. 100.00-114.00; 60 hd. 61-69 lbs. 93.00-111.00; 24 hd. 75-90 lbs. 70.00-80.00.

US 2&3's: (126 hd.) 85 hd. 25-33 lbs.. 137.50-150.00; 25 hd. 43-49 lbs. 112.50-131.00; 16 hd. 51-58 lbs. 107.50-115.00.

LATE CUTS: 6 hd. 43-61 lbs. 97.50-101.00.

UTILITIES: 26 hd. 22-95 lbs. 60.00-82.50.

AS IS: 19 hd. 34-52 lbs. 55.00-65.00; 16 hd. 87-116 lbs. 34.00-74.00.

**Next State Graded Sale**
**Friday, Sept. 12th - 1:30 P.M.**
**(Grading 7:30 A.M. until 11:30 A.M.)**

## New Holland Hogs

**New Holland Sales Stables**
**New Holland, PA**
**Monday, Aug. 11, 1986**
**Report Supplied by Auction**

| | |
|---|---|
| Today | 1003 |
| Last Monday | 864 |
| Last Year | 1612 |

TREND: Compared to last Monday barrows and gilts 1.00-2.00 higher.

BARROWS AND GILTS: US 1-2 210-245 lb. 64.00-65.00.

US 1 220-240 lb. 66.00-66.50.

US 1-3 200-260 lb. 62.00-63.75.

US 3-4 Few 265 lb. 57.00.

## Vintage Hogs

**Paradise, PA**
**Saturday, Aug. 9, 1986**
**Report supplied by Auction**

Trend 2.00-3.00 higher.

1s and 2s, 220-270, 62.00-64.25; Sows, 320-550 lbs., 41.00-46.75.

## Peoria Hogs

**Thursday, Aug. 14**

2500- Barrows & gilts moderate 1.00 instances 1.50 higher.

US 1-2 220-250 lb. 64.50-65.50, about 125 head 66.00; 210-220 lb. 63.00-64.50; 200-210 lb. 60.00-63.00; US 1-3 220-260 lb. 64.00-64.50.

SOWS: Under 500 lb. steady- .50 higher; over 500 lb. 1.00-1.50 lower. (18%); US 1-2 350-500 lb. 55.00-55.50; US 1-3 500-650 lb. 56.00-56.50.

BOARS: Over 350 lb. 50.00; under 350 lb. 48.50-49.00.

## Indianapolis Hogs

**Thursday, Aug. 14, 1986**

400. Barrows & gilts active, 1.00 higher.

US 1-3 230-260 lb. 65.00-65.50; 220 lb. 64.50.

SOWS: Active, steady in very light test (6%); US 1-3 & few Medium 420-460 lb. 50.00-51.00.

BOARS: Over 300 lb. 45.00, under 300 lb. 42.00.

## St. Louis Hogs

**Thursday, Aug. 14**

3000 - Barrows & gilts active; uneven, mostly 1.00 higher.

US 1-3: 230-260 lb. 64.00-64.50, 200 head 245# 65.00; 200-230 lb. 61.50-63.50, few 225# 64.00.

US 2-3: 260-270 lb. 63.50; 270-290 lb. 62.00-63.00.

SOWS: Under 500 lb. early sales 1.00 higher; over 500 lb. 2.50 higher. (About 6%) US 1-3 300-500 lb. EARLY 56.00; US 1-3 Over 500 lb. 57.50-59.50.

BOARS: Over 300 lb. 50.50; under 300 lb. 49.00.

# U.S. Inspected Livestock Slaughter

**Estimated Daily Livestock**

| | CATTLE | CALVES | HOGS | SHEEP |
|---|---|---|---|---|
| Thursday 8/14/86 | | | | |
| Week To Date (Est.) | 550,000 | 50,000 | 1,042,000 | 81,000 |
| Same Pd. Lt. Wk. (Est.) | 528,000 | 51,000 | 1,029,000 | 78,000 |
| Same Pd. Lt. Yr. (Act) | 515,000 | 48,000 | 1,204,000 | 96,000 |

# GRAIN, CATTLE AND HOG FUTURES MARKETS

(Daily closing bids: Friday, Aug. 8 through Thursday, Aug. 14)

## CORN

| | FRI. | MON. | TUES. | WED. | THURS. |
|---|---|---|---|---|---|
| SEPT. | 163¼ | 165¾ | 164½ | 164½ | 166½ |
| DEC. | 170 | 171¾ | 170¼ | 170 | 173 |
| MAR. | 181¼ | 182¾ | 180½ | 180½ | 183 |
| MAY | 187¼ | 189 | 186¾ | 186 | 188½ |
| JUL. | 190¼ | 192¼ | 189¾ | 189 | 191 |
| SEPT. | 189½ | 191¼ | 190 | 189½ | 191½ |

## CHICAGO HOGS

| | FRI. | MON. | TUES. | WED. | THURS. |
|---|---|---|---|---|---|
| AUG. | 62.40 | 60.90 | 62.12 | 62.15 | 62.57 |
| OCT. | 54.50 | 53.40 | 54.80 | 55.02 | 54.75 |
| DEC. | 53.05 | 51.80 | 53.05 | 53.07 | 52.75 |
| FEB. | 51.12 | 50.05 | 50.90 | 50.95 | 50.90 |
| APR. | 45.70 | 45.15 | 45.60 | 45.90 | 45.60 |
| JUNE | 46.90 | 46.17 | 46.85 | 47.10 | 46.90 |
| JULY | 47.17 | 46.65 | 47.07 | 46.80 | 46.90 |

## CHICAGO CATTLE

| | FRI. | MON. | TUES. | WED. | THURS. |
|---|---|---|---|---|---|
| AUG. | 59.85 | 60.67 | 61.15 | 60.60 | 60.82 |
| OCT. | 59.82 | 59.90 | 59.95 | 59.42 | 59.72 |
| DEC. | 58.17 | 57.62 | 57.80 | 57.42 | 57.60 |
| FEB. | 56.87 | 56.57 | 56.72 | 56.45 | 56.62 |
| APR. | 57.62 | 57.55 | 57.80 | 57.57 | 57.80 |
| JUNE | 57.60 | 57.55 | 57.75 | 57.47 | 57.77 |

## SOYBEAN MEAL

| | FRI. | MON. | TUES. | WED. | THURS. |
|---|---|---|---|---|---|
| AUG. | 146.60 | 148.50 | 149.20 | 152.00 | 156.90 |
| SEPT. | 143.70 | 144.70 | 144.80 | 145.70 | 149.90 |
| OCT. | 142.20 | 142.90 | 143.00 | 143.60 | 146.30 |
| DEC. | 144.60 | 145.00 | 144.70 | 144.50 | 147.30 |
| JAN. | 146.00 | 146.50 | 146.10 | 145.70 | 148.10 |
| MAR. | 147.90 | 148.60 | 148.10 | 147.20 | 149.70 |
| MAY | 150.00 | 150.70 | 150.00 | 149.00 | 151.10 |
| JULY | 151.00 | 151.20 | 150.50 | 149.00 | 152.00 |

## WHEAT

| | FRI. | MON. | TUES. | WED. | THURS. |
|---|---|---|---|---|---|
| SEPT. | 258½ | 256½ | 253¼ | 254¼ | 258½ |
| DEC. | 261¼ | 258½ | 256½ | 256¾ | 260 |
| MAR. | 260 | 258¾ | 254¾ | 255½ | 258¾ |
| MAY | 246½ | 245¼ | 243½ | 244 | 244½ |
| JULY | 238½ | 237¾ | 236¾ | 237 | 237¼ |

## SOYBEANS

| | FRI. | MON. | TUES. | WED. | THURS. |
|---|---|---|---|---|---|
| AUG. | 502½ | 501¾ | 501¼ | 500 | 511¾ |
| SEPT. | 475½ | 477½ | 476¼ | 473¾ | 481¾ |
| NOV. | 474¾ | 478 | 475¾ | 470¼ | 476¼ |
| JAN. | 484¾ | 488¼ | 485¼ | 479¾ | 485 |
| MAR. | 494¾ | 498 | 495½ | 489¾ | 495¼ |
| MAY | 502¾ | 504½ | 501½ | 495½ | 501 |
| JUL. | 508¾ | 510 | 508¾ | 500½ | 506¼ |


# ATTENTION FARMERS

Beginning Aug. 5th we will no longer be conducting Tuesday Feeder Pig and Market Hog Auctions.

We will continue to buy feeder pigs privately and we have farmers looking for good quality feeder pigs.

## COW CONSIGNORS

We Need Cows For Wednesday's Market. Cows Arriving By 10:00 A.M. Will Be Sold By Noon.

**Walter M. Dunlap and Sons**
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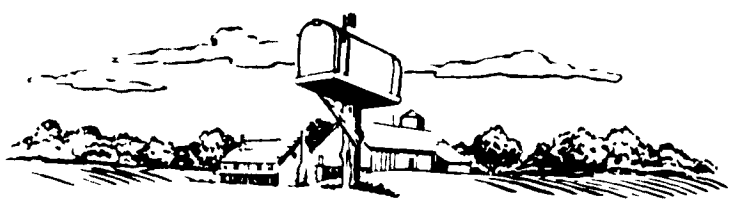

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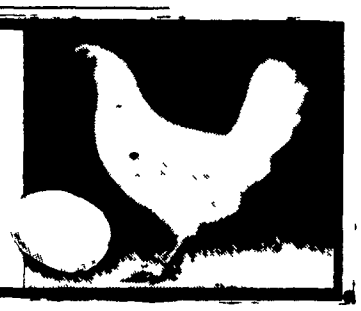
# POULTRY MARKETS



## Heinsey's Poultry Report

**Roots, East Petersburg**
**Tuesday, Aug. 12, 1986**
**Report supplied by auction**

Muscovy Ducks, Drakes: range 1.00-1.30 per lb.

Muscovy Ducks, Hens: range .90-1.06 per lb.

Pekin Ducks: range .30-.44 per lb.

Pullets: 6-8 lbs. range .44-.52 per lb.

Red Fowl: 4-4½ lbs. range .20-.28 per lb.

Red Fowl: 5-6 lbs. range .30-.52 per lb.

Crossbred Fowl: 5-9 lbs. range .20-.44 per lb.

Crossbred Roosters: 4-6 lbs. range .40-.72 per lb.

Crossbred Roosters: 7-11 lbs. range .22-.64 per lb.

Guinea Fowl: range 2.35-2.55 per lb.

Banty Roosters: range 2.50-5.00 ea.

Banty Hens: range .35-1.00 ea.

Leghorn Hens: range .12-.20 per lb.

Leghorn Roosters: range .22-.28 per lb.

Geese: 7-15 lbs. range .22-.42 per lb.

Pigeons: range 1.00-1.30 ea.

White Pigeons: range 1.90-2.75 ea.

Silkies: range 2.50-5.25 ea.

Doves: range 2.50-3.50 ea.

Chukars: range 2.00-4.25 ea.

Rabbits: 4-6 lbs. range .40-.62 per lb.

Rabbits: 7-11 lbs. range .40-.54 per lb.

Bunnies: .35-1.25 ea.

Guinea Pigs: range .50-3.25 ea.

Goats: range 31.00-49.00 ea.

Kid Goats: range 24.00-31.00 ea.

Total Number Coops: 937.

## Philadelphia Eggs

**Thursday, Aug. 14, 1986**
**Report Supplied by USDA**

**Market Comment:** Prices were unchanged to lower on the large sizes; unchanged on mediums. Movement was generally no better than fair. Supplies of large were adequate or available and slow to clear, mainly in ungraded packs. Mediums were adequate and in good balance with overall needs. Extra large were irregularly distributed in a range of no more than adequate to fully adequate. Breaker interest was light as most continued to work off accumulated stock of lighter weight product. The undertone was unsettled.

Prices to retailers: sales to volume buyers, consumer grades white eggs in cartons delivered store door: A Extra large 70-78½; A Large 68-76½; A Medium 53-55.

## Eastern PA and NJ Poultry

**Wednesday, Aug. 13, 1986**
**Report Supplied by USDA**

Market Comment: Prices trending lower as offerings increase to most buyers. Plant schedules filling in at more desirable levels for mid-next week and following week. Finished product sales mainly fared at mixed prices. The undertone was steady to barely steady.

Prices Paid at Farm:

Light Type Hens: 11-13½, mostly 11-11½.

F.O.B. Plant: 13-15½, mostly 13-14.

## Delmarva Poultry

**Thursday, Aug. 14, 1986**

Market Comment: Demand for ready to cook whole birds was mixed but generally improved. Offerings were somewhat easier to clear and at least adequate. Demand for parts had improved substantially on legs and particularly leg quarters and wings. Breast meat cleared with some irregularity but usually at lower trending prices. Less than trucklot asking prices were again lower and generally 63-71 cents. Live supplies were at least adequate. Weights were mixed but mostly desirable to light. Slaughter schedules were trimmed at most plants and very light in total. The undertone was improved but still barely steady to weak.

Estimated slaughter of broiler fryers in Delmarva:

Estimated 8/14 1,614,000; Actual 8/7 1,882,000.

Actual 8/12 1,767,000.

Average Weights 8/12 4.24, 8/5 4.28.

## N.E. Weekly Shell Egg Report

**Tuesday, Aug. 12**
**Report Supplied by USDA**

Prices paid per dozen Grade "A" Brown eggs in cartons delivered to retail stores.

| | Ex. Large | Large | Medium | Small |
|---|---|---|---|---|
| N. HAMP. | .89-.93 | .84-.88 | .73-.77 | .40-.44 |
| Mostly | .91-.92 | .86-.87 | .75-.76 | .42-.43 |
| R.I. Not Available | | | | |
| VERMONT | .99-1.06 | .95-1.01 | .79-.85 | |
| Mostly | 1.06 | 1.01 | .85 | |
| MAINE | .98-1.08 | .93-1.04 | .82-.87 | .49-.54 |

## Weekly New York Egg Market Northeast Quotes

**From Friday, Aug. 8 to Thursday, Aug. 14**

| | Fri. | Mon. | Tues. | Wed. | Thurs. |
|---|---|---|---|---|---|
| **WHITE** | | | | | |
| Jumbo | .96 | .96 | .95 | .95 | .93 |
| Ex. Large | .87 | .87 | .85 | .85 | .83 |
| Large | .79 | .79 | .76 | .76 | .74 |
| Medium | .60 | .60 | .59 | .59 | .59 |
| Pullets | .43 | .43 | .43 | .43 | .43 |
| Off Grade | .68 | .68 | .65 | .65 | .65 |
| **BROWN** | | | | | |
| Ex. Large | .92 | .92 | .90 | .90 | .89 |
| Large | .87 | .87 | .84 | .84 | .82 |
| Mediums | .65 | .65 | .64 | .64 | .64 |
| **OFF GRADE** | | | | | |
| Undergrades | .35 | .35 | .35 | .35 | .35 |
| Checks | .33 | .33 | .33 | .33 | .33 |

**Breaking Stocks**

48-50 lbs. 42.00-44.00; 41.00-43.00.

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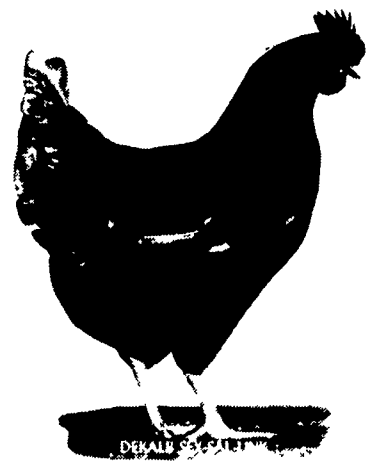

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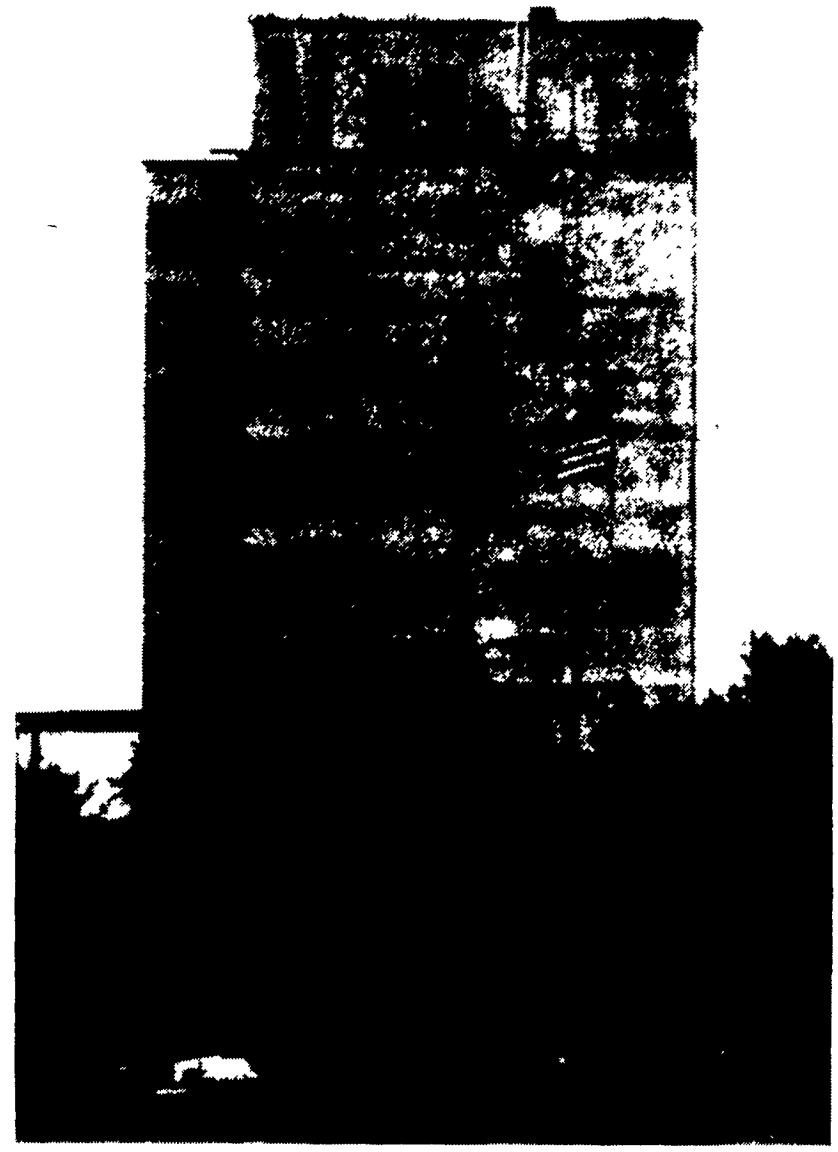

## STOP BY - EAST 8th STREET AG PROGRESS DAYS

— What's Happening —

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- Farrow To Finish Hog Confinement Programs
- Least Cost Per Dozen Layer Programs
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# HAY MARKETS

## Pa. Grain

**Monday, Aug. 11**
**Report supplied by PDA**

Compared with last Monday's market for Southeastern, Central and South Central Pa.: Corn mostly steady to .10 lower, Wheat and Oats steady to .03 lower, Barley steady to .02 higher, Ear Corn steady to $3 lower.

**Southeastern Pennsylvania**

Corn No. 2-y range 2.10-2.40, average 2.23, *Contract for Harvest 1.65-1.88; @Wheat No. 2 range 2.30-2.65, average 2.49; Barley No. 3 range 1.20-1.50, average 1.33; Oats No. 2 range .75-1.00, average .91; *Soybeans No. 1 range 4.60-4.70, average 4.65, *Contract for Harvest 4.40-4.50; Ear Corn range 62.00-70.00, average 64.69.

**Central Pennsylvania**

Corn No. 2-y range 2.10-2.50, average 2.29; @Wheat No. 2 range 2.25-2.53, average 2.39; Barley No. 3 range 1.20-1.40, average 1.29; Oats No. 2 range .70-1.00, average .88; *Soybeans No. 1 range 4.25-4.80, average 4.49; Ear Corn 60.00-64.00, average 61.38.

**South Central Pennsylvania**

Corn No. 2-y range 2.35-2.50, average 2.42; @Wheat No. 2 2.30-2.50, average 2.36; Barley No. 3 range 1.20-1.40, average 1.28; Oats No. 2 .90-1.00, average .94; Ear Corn range 60.00-70.00, average 66.38.

**Western Pennsylvania**

Corn No. 2-y range 2.20-2.40, average 2.27; @Wheat No. 2 range 2.30-2.33, average 2.31; Oats No. 2 range .80-1.00, average .94; Ear Corn range 60.00-62.00 average 60.75.

**Southeastern, Central & South Central Summary**

Corn No. 2-y range 2.10-2.50, average 2.29; @Wheat No. 2 range 2.25-2.65, average 2.43; Barley No. 3 range 1.20-1.50, average 1.31; Oats No. 2 range .70-1.00, average .90; Soybeans No. 1 range 4.25-4.80, average 4.54; Ear Corn 60.00-70.00, average 64.24.

**Month Ago**

Corn No. 2-y range 2.43; @Wheat No. 2 range 2.41; Barley No. 3 range 1.30; Oats No. 2 range .97; Soybeans No. 1 range 4.65; Ear Corn range 66.30.

**Year Ago**

Corn No. 2-y average 2.72; Wheat No. 2 average 2.70; Barley No. 3 average 1.55; Oats No. 2 average .97; Ear Corn average 72.33.

## Regional Hay

**Eastern, Pa.**
**On-Farm Sales**

HAY & STRAW MARKET FOR EASTERN PA. (All Hay No. 2 and better prices paid by dealers at the farm and per ton.) - Hay steady to strong, spots $10 higher. Straw steady.

Alfalfa 80.00-100.00, few 110; Mixed Hay 60.00-90.00, few 100; Timothy Hay 55.00-90.00, few 100; Straw 50.00-70.00; Mulch 25.00-30.00.

**Lancaster Co. Auctions**

SUMMARY OF LANCASTER CO. HAY AUCTION For Week Ending August 8, 1986 - PRICES PER TON: LOADS—185 Hay, 57 Straw and 64 Ear Corn.

Alfalfa 80.00-138.00, few 164; Mixed Hay 72.00-136.00, few 150; Timothy Hay 60.00-148.00; Straw 60.00-100.00; Ear Corn 63.00-89.00.

**Central Pa. Hay Auction**

SUMMARY OF CENTRAL PA. HAY AUCTION For Week Ending August 8, 1986 - PRICES PER TON: LOADS—50 Hay, 11 Straw, and 21 Ear Corn.

Alfalfa 60.00-120.00; Mixed Hay 45.00-97.50, few 127; Timothy 67.50-100.00; Straw 50.00-65.00; Ear Corn 62.00-80.00.

## New Holland Hay

**New Holland, PA**
**Monday, Aug. 11**
**Report supplied by Auction**

141 loads. Hay about steady with last week.

Alfalfa, 60.00-162.00; Mixed Hay, 70.00-136.00; Timothy, 82.00-135.00; Straw, 50.00-100.00.

Corn, 66.00-76.00; Oats, 1.45-2.70 bu.; Rye Seed, 1.60-3.00 bu.

## Green Dragon Hay

**Ephrata, PA**
**Friday, Aug. 8**
**Report supplied by Auction**

102 loads.

Mixed Hay, 56.00-125.00; Timothy, 51.00-138.00; Alfalfa, 61.00-122.00; Canary Grass, 101.00; Clover, 1 at 61.00; Straw, 42.00-92.00; Corn, 63.00-76.00; Rye, 2.80 bu.; Oats, 1.40-1.50 bu.

## Good's Hay

**Leola, Pa.**
**Wednesday, Aug. 13, 1986**
**Report Supplied by Auction**

53 loads.

Alfalfa, 61.00-130.00; Timothy, 85.00-129.00; Mixed Hay, 86.00-100.00; Straw, 83.00-92.00; Oats, 1.50 bu.; Rye, 3.10 bu.; Corn, 60.00-76.00.

Meadow Grass, 82.00-98.00.

## Chambersburg Hay

**Chambersburg, PA**
**Thursday, Aug. 14**
**Report supplied by Auction**

6 loads.

Alfalfa, 103.00; 3rd cutting Alfalfa, 112.00; 3rd cutting Blue Grass, 109.00; Mixed Hay, 106.00; Straw, 55.00.

## Leinbach's Hay

**Shippensburg, PA**
**Tuesday, Aug. 12, 1986**
**Report supplied by Auction**

25 loads.

Alfalfa, 85.00-120.00; Mixed Hay, 76.00-115.00; Timothy, 65.00-102.00; Straw, 76.00; Ear Corn, 70.00-84.00.

## Dewart Hay

**Dewart, PA**
**Monday, Aug. 11**
**Report Supplied by Auction**

11 loads.

Hay, 51.00-80.00; Straw, 1 at 45.00; Wood, 21.00-34.00 ld.; Corn, 68.00-69.00.

## Keister's Hay

**Middleburg, PA**
**Tuesday, Aug. 12**
**Report supplied by auction**

8 loads Mixed Hay, 56.00-87.50; 2 loads Straw, 50.00-67.50; 19 loads Ear Corn, 59.00-71.00; 1 load Oats, 1.45 bu.


**LIVESTOCK HAULING**
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**MONDAY**

FAT HOGS

**EARLY BIRD HOG SALE**
/:30 AM
For Your Protection Your Hogs Must Be Identified

**10:00 AM**

HORSES MULES

**11:00 AM**

HAY
STRAW
GRAIN

**1:30 PM**
BEEF SALE
CALF, SHEEP, GOATS

**WEDNESDAY**

**12:00 NOON**

DAIRY COWS

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We endeavor to keep our barns cleaner than yours. State graded until 12 Noon

**THURSDAY**

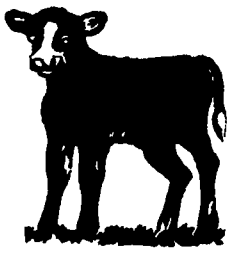
**10:00 AM**

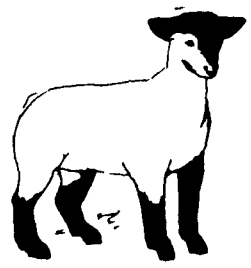
BULLS -

STEERS - BEEF COWS

**2:30 P.M.**

CALVES





SHEEP
GOATS

Market your livestock thru New Holland Sales, your neighbor does
Pick-up your check before you leave

## Frederick Co. Hay

**Buckeystown, Md.**
**Thursday, Aug. 14, 1986**
**Report Supplied by Auction**

26 loads. Market prices steady compared to last week. Demand good.

Alfalfa, 4 loads fair to good, 97.00-135.00, 6 fair some damaged, some high moisture, 67.00-91.00; Timothy, 4 loads fair to good, 110.00-117.00; Timothy Mixed, 2 fancy, 132.50 and 2 good, 106.00-110.00.

Mixed Hay, 4 loads fair to good, 87.00-123.00; Fescue, 1 load, 65.00 and Straw, 85.00-87.50.

## Belleville Hay

**Belleville, PA**
**Wednesday, Aug. 13**
**Report supplied by Auction**

2 loads Alfalfa, 87.50-100.00; 5 loads Mixed Hay, 40.00-82.50; 4 loads Straw, 42.50-82.50; 1 load Oats, 1.05 bu.

## Carroll Co. Hay

**Westminster, MD**
**Tuesday, Aug. 12**
**Report supplied by Auction**

15 loads.

Alfalfa, 1st and 2nd cutting, 116.00-136.00, 3rd cutting, 153.00; Timothy Mixed Hay, 77.50-83.00; Timothy Hay, 110.00; Clover Timothy mix, 98.00.

Brome Grass, 88.00; Other Grass Hay, 79.00; Barley Straw, 93.00; Wheat Straw, 80.00-89.00; Oat Straw 93.00.

## King's Hay

**Kirkwood, Pa.**
**Tuesday, August 12, 1986**
**Report supplied by auction**

14 loads.

Alfalfa, 90.00-130.00, a few loads had rain and mold, 57.00-68.00; Mixed Hay, 68.00-132.00; Clover and Clover Mix, 60.00-120.00; Meadow Grass, 94.00.

4 loads Straw, 68.00-77.00; 3 loads Ear Corn, 74.00-77.00.

## New York Multiple Drop Broiler Report

**Thursday, Aug. 14, 1986**
**Report Supplied by USDA**

Current broiler-fryer negotiated prices for immediate delivery includes mostly multiple drop shipments to New York City from Delmarva.

Range: U.S. Grade A 63-80.

Weighted AVG.; U.S. Grade A 73.10.

Premium (X) Boxes 9,437

(X) Includes special services, selected competitive brands, etc.

## Hackettstown Poultry & Egg

**Hackettstown, N.J.**
**Tuesday, Aug. 12**
**Report Supplied by Auction**

Heavy Fowl .30-.55.
Leghorn Fowl .10.
Bantams .35-.90.
Pullets 1.50-2.25.
Geese .30-1.10.
Turkey .35-.70.
Ducks .50-1.10.
Rabbits .40-1.35.
Pigeons .60-1.80.
Guineas 1.70-2.20.

**Eggs**
**White**
**Grade A**

Jumbo X Lge. .69-.95; Large .63-.76; Medium .58-.59.

**Brown**

Jumbo X Lge. .98-1.16; Large .89-1.02; Medium .79-.80.

## Belknap Livestock

**Dayton, Pa.**
**Wednesday, August 13**
**Report Supplied by PDA**

CATTLE 68. No Price Comparisons - Market Not Reported Last Week. One Good slaughter steer 52.00, few Standard 44.25-45.00, few Utility 37.25-40.75. One Standard slaughter heifer 42.00. Few Breaking Utility and Commercial slaughter cows 37.75-40.75, Cutter and Boning Utility 34.50-38.50, Canner and Low Cutter 29.75-34.25, Shells down to 25.00. Few Yield Grade No. 1 1485-1520 lbs. slaughter bulls 44.75-48.25. FEEDER CATTLE: Few Medium Frame No. 1 525-865 lbs. feeder steers 47.75-54.50.

CALVES 88. One Good vealer 53.50, few Standard and Good 90-100 lbs. 42.50-45.50, 60-85 lbs. 34.00-43.50, few Utility 50-95 lbs. 20.00-35.00. FARM CALVES: Holstein bulls 95-125 lbs. 55.00-85.00, mostly 65.00-80.00, 80-90 lbs. 44.00-60.00, few Holstein heifers 100 lbs. 50.00, Beef Cross bulls and heifers 70-140 lbs. 40.00-55.00.

HOGS 122. US No. 1-2 225-250 lbs. barrows and gilts 63.10-63.25, small lot 64.00, Lot No. 1-3 240 lbs. 63.00, lot 215 lbs. 57.75, No. 2-3 225-265 lbs. 60.00-62.10, few 3-4 240-285 lbs. 57.25-59.00, few 1-3 160-210 lbs. 56.00-57.00. Few 1-3 330-635 lbs. sows 49.25-54.00. Boars 39.00-45.00.

FEEDER PIGS. None.

SHEEP 17. Lot Choice 105 lbs. slaughter lambs 62.25, few Good 65-80 lbs. 49.50-50.00. Lot slaughter ewes 18.00.

GOATS 5. Few Kids 5.00-14.00 per head.


**Green Dragon Livestock Sales**

Location: Ephrata RD 4. 1 mile N. on North State St., Ephrata.

COWS COWS COWS

**SALE EVERY FRIDAY**

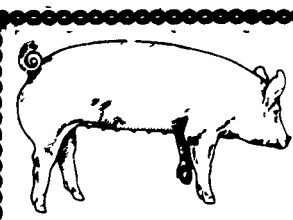
Lots of good Northern Feeder & Stockers. Slaughter Cows - Bull Steer, Veal-lamb.

11:00 A.M.-Beef Sale 200-300 each week.
1:00 P.M.-Dairy Sale.
7:00 P.M.-Small Animal Sale.

For Special Sales and Herd Dispersals on farm or at our barn or other market information call: Office 717-733-2444, Home 717-838-4318.

**WALTER H. RISSER, Proprietor**

All out of state and new buyers must have cash or certified check or current letter of credit from bank.



**EMERY'S BUYING STATION**

**OPEN TO RECEIVE YOUR MARKET HOGS**

**AT THE GREEN DRAGON MARKET**
**RD 4, EPHRATA, PA 17522**
**1 MILE NORTH OF EPHRATA**
**ON NORTH STATE STREET.**

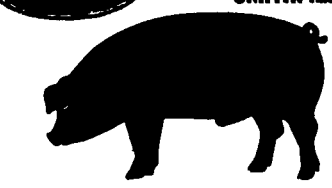
HOURS: MONDAY, TUESDAY, and WEDNESDAY 6:00 A.M. to 11:30 A.M.
215-458-5677 Residence
717-733-9648 Office

**YOU ARE PAID FOR YOUR HOGS IMMEDIATELY**

Ken & Lois Emery, Proprietors

Gwaltney

**GWALTNEY of SMITHFIELD, LTD.**



**RECEIVING HOGS:**
**LANCASTER COUNTY FARMERS**

MONDAYS: McCoy's Branch Office, Bareville
WEDNESDAYS: (Next to Bawells Butcher Shop)
& FRIDAYS: on Butler Rd. 717-656-9668

TUESDAYS: B & R Cattle
THURSDAYS: Marietta
717-426-3258

**YORK COUNTY FARMERS**

MONDAYS: Stewartstown
717-993-2564

TUESDAYS: Thomasville
717-792-2248 or 9836

Contact for information:
Ed Herrmann, 717-284-3203
or Charlie Kauffman, 215-593-5674
Future forward contracts available

**HAY & STRAW SALE**

12:00 Noon
Every Wednesday
Westend of Avondale at the intersection of Baltimore Pike and Route 41.

Harvey Z. Martin
215-268-3604
(Office)
215-445-5303
(Residence)

**KING'S AUCTION**
**KIRKWOOD**
Hay, Straw and Grain Auction
**EVERY TUESDAY**
12:00
Located Rt. 472 5 miles south of Quarryville or 6 miles north of Oxford at Shaub's Auction House
Lloyd H. Kreider, Auctioneer
AU-000513L
No out of state checks
ALL TRUCKERS AND FARMERS WELCOME

**MELHORN SALES, SERVICE, TRUCKING CO.**
1010 W. Main St., Mount Joy, PA 17552

**The only full service company. in this area, to handle the total needs of the poultrymen.**

Which Includes:

- Area distributor of a complete line of Bio-Guard Poultry & Swine sanitation products. Including: sow shampoo, field disinfectants, hatchery disinfectants, egg wash.
- DEKALB chicks & started pullets sold by Nelson Groff & Harold Mishler.
- Complete loading & unloading of pullets & spent hens.
- New modern dollie equipment to move your pullets fast and efficiently with minimum stress to the pullets.

***Place Your Confidence In A Full Service Company That Wants To Be Worthy Of Your Business***

DEKALB

**For More Information Phone:**
**717-653-1102**
**Monday - Friday 8:30 AM - 4:00 PM**

MELHORN

# THE OLD FARMER'S ALMANAC

AUG 18-24, 1986

**Here's wishing you good fishing.**

Now's a good time to transplant most shrubs U S yacht *America* won the "Hundred Guinea Cup" (now the America's Cup) in a race around the Isle of Wight, Aug 22, 1851 Full moon Aug 19 (Tues ) Hawaii admitted to the union as the 50th state, Aug 21, 1959 Average length of days for the week, 13 hours, 40 minutes American sociologist Scott Nearing died at age 100 at Harborside, Maine

*Time brings and time bears all things away*

**Ask the Old Farmer:** I have a cabin in the woods, no electricity, and a well with a hand pump I'd like to install a bathroom, but is there any alternative to buying an electric pump and an expensive generator? T C, Middletown, N J

*Get a water pump operated by a gas engine It's also practical to install a big (80-gallon) water tank for storage so you won't have to run the pump all the time*

**Home Hints:** Applying a coat of wax to a dustpan will help dirt and dust slide off more easily

OLD FARMER'S WEATHER FORECAST

**New England:** Beginning of week rainy and cool, midweek warm, rain north, end of week sunny and warm north, seasonable south

**Greater New York-New Jersey:** Week begins cloudy, showers midweek, sunny and mild at end of week

**Middle Atlantic Coastal:** Beginning of week hot, midweek cloudy and mild, rain south, end of week clear and hot

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## Leola Produce Auction

**Leola, PA**
**Tuesday, Aug. 12, 1986**
**Report Supplied by Auction**

Broccoli: 5.00-6.50 16 ct.
Cabbage: 3.50-5.00 - 50 lbs.
Cantalopes: .45-.76 lg.; .25-.45 sm., md.
Corn: .80-1.20 doz. white.
Cucumbers: 4.00-6.00 1 1/9 bu.
Eggplant: 5.00-8.00 1 1/9 bu.
Lima Beans: 8.00-14.00 1 1/9 bu.
Nectarines: 4.50-8.25 ½ bu.
Peaches: 3.00-7.00 ½ bu.
Pickles: 5.00-9.00 ½ bu.
Peppers: green 5.00-7.00 1 1/9 bu.; red 10.00-15.00 1 1/9 bu.
Potatoes: .60-.90 10#; 5.00-6.90 50#.
Red Beets: 4.00-6.50 15 bunch ct.
String Beans: green 12.00-20.00 1 1/9 bu.; yellow 10.00-20.00 1 1/9 bu.
Tomatoes: 6.00-10.00 25 lb. lg; 4.50-6.00 sm., md.; cherry- 3.00-5.00 12 pt. flat.
Watermelon: 2.25-2.50 30# ea.; 1.60-2.00 20-30# ea.; 1.00-1.50 15-20# ea.
Zucchini: 2.00-3.50 ½ bu.

## New Holland Sales Stables

**New Holland Dairy**
**Wednesday, Aug. 13, 1986**
**Report supplied by auction**

Reported receipts of 85 cows, 50 heifers and 3 bulls. Market lower.

Load of PA fresh cows, 570.00-910.00.
Load of PA fresh cows, 650.00-1000.00.
Load of PA fresh cows, 725.00-1020.00.
Load of PA fresh cows, 720.00-1025.00.
Load of PA fresh cows, 535.00-780.00.
Herd of 22 head, all stage cows 325.00-890.00.
Locally consigned cows 300.00-710.00.
Springing heifers 440.00-750.00.
Purebred 760.00-910.00.
Bulls 380.00-610.00.

## Penns Valley Livestock

**Centre Hall, Pa.**
**Tuesday, Aug. 12**
**Report supplied by Auction**

Beef Cows: Utility and Commercial 37.75-44.10; Cutters 35.25-37.50; Canners 31.00-35.00; Shells 28.00.

Heifers: Good 51.00-54.35; Commercial 34.00-41.00.

Steers: Choice 55.00-57.85; Good 51.50-54.75; Standard 42.00-48.50.

Bulls: Good 49.50-50.00.

Feeder Cattle: 300-500 lbs. large frame 52.00-61.00; 500-700 lbs. large frame 46.00-53.00; 500-700 lbs. small frame 42.00-48.00.

Veal Calves: Choice 55.00-63.00; Good 48.00-44.00; Standard 43.00-46.00; Utility 34.00-42.00.

Farm Calves: Bulls 75.00-99.00; Heifers 60.00-67.00.

Hogs: Not Enough To Test.
Sows: Not Enough To Test.
Boars: Not Enough To Test.
Shoats: Not Enough To Test.
Lambs: 58.00-72.00.
Sheep: 9.00-14.00.
Goats per head: 14.00-34.00.

## Shippensburg Wholesale Produce Auction

**(Leinbach's)**
**Shippensburg, PA**
**Aug. 7-13**
**Report Supplied by Auction**

Price quotes are only #1 and Firm Produce.

Apples 2.00-2.80 ½ bu.
Cabbage 1.75-3.50 50 lb. box.
Cantalopes sm.-lg. .27-.85 ea.
Corn (white) .70-1.50 dozen.
Cucumbers 2.00-4.50 1 1/9 bu.
Eggplant 1.75-2.60 ½ bu.
Honeydews .70-1.05 ea.
Lima Beans 3.50-7.50 ½ bu.
Nectarines 3.10-3.25 ½ bu.
Peaches 2.40-4.50 ½ bu.
Peppers (bell) large 2.75-5.00 1 1/9 bu.; medium 2.75-3.75 1 1/9 bu.
Plums 2.50-5.75 ½ bu.
Potatoes 1.90-2.05 20 lbs.
String Beans 3.25-7.50 ½ bu.
Tomatoes (lg. size) 3.50-5.00 25 lb. box; (md. size) 2.00-4.10 25 lb. box.
Watermelon (all sizes and varieties) .02-.07 lb.


— ATTENTION — CATTLE FEEDERS

**GRADED SALE**

**Friday, August 8**
**11 AM**

• 150 Head Local Acclimated Cattle.

**Walter M. Dunlap and Sons**
Lancaster Stockyards Tel. (717) 397-5136
An Old Line Commission Firm Keeping Abreast With The Times

**ATTENTION**

**Dairy Buyout Farmers**

* Get the most for your herd
* Go direct - Farm to Packer
* Any size herd - all weights and grades of cows
* Trucking provided
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**TAYLOR PACKING CO., INC**

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Wyalusing, PA 18853
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**LOUIS LYONS & SON**

Consign your cattle and hogs, feeder pigs & calves to Louis Lyons & Son. They offer choice service, excellent sorting & marketing of your livestock.

Charles Diller, Manager
Phone 394-7915
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Phone 717-626-8653

Experienced Personnel — Immediate Weighing

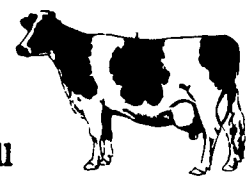
**TOP PRICES FOR DOWN, CRIPPLED AND AS IS COWS, BULLS & STEERS**

**Slaughtered Under Federal Inspection**
**Paid On Dressed Weight**

Tom Mulvaney
Livestock Trucking
(201) 454-4247

HANDLING:
Warren, Hunterdon, Sussex And Somerset Counties, New Jersey

IN PENNA:
Northampton, Bucks, Lehigh And Parts Of Carbon & Schuylkill Counties



**ATTENTION FARMERS**

**EVERY MONDAY**
**HATFIELD PACKING CO.** and
**MOYER PACKING CO.**
Will Receive Your
Hogs and Cattle at the
**DANVILLE LIVESTOCK MARKET**
RD 4, Danville, PA

- We will receive your hogs from 8 AM to 12 Noon every Monday. Your hogs will be weighed and paid for immediately.
- We will also accept your sows & boars.
- Your cattle will be received from 12:30 to 5 P.M. We will either pay you for your cattle immediately or you may sell them dressed weight.
- There will not be a commission or yardage fee deducted from your check.
- You may call our office Monday morning and we will be able to tell you the base price for hogs for the day.

MELVIN M. LEHMAN - Owner
Danville Buying Station
**Phone: 717-275-2880**

**York County Livestock Sales Ltd.**
P.O. BOX 243 • FAWN GROVE, PA 17321
(717) 993-2564
Saturday's Hay Sale Canceled Until Further Notice
**York County's Only Livestock Auction**
On PA Route #24 between Stewartstown and New Park
All Kinds of Livestock Sold on Commission
GWALTNEY OF SMITHFIELD
Open Every Monday - Hogs - 6 00 a m - 12 noon
Auction - 7 00 p m - ?
Buyers - Livestock Producers - Farmers
We Need & Appreciate Your Patronage
**Stan & Mary Nagle - Owners**
Home Phone: (215) 566-3239

**FRIDAY, AUGUST 29**
**ON THE FARM MONTHLY**

**BRED GILT SALE**

Sale to Start Promptly Every 4 Weeks
1 More Evening Sale 7:30 P.M.

Located 18 miles south of Lancaster, Pa., 6 miles south of Quarryville, take Rt. 272 to Little Britain, turn north, follow Little Britain Road to Jackson Road, right. 2nd farm, OR take Rt. 222, out of Quarryville to Cedar Hill Road to Little Britain Road to Jackson Road, left. Watch for sale arrows.

**25 Head Due Between Sept. 2 & 9**
**25 Head Due Between Sept. 10 & 17**
**6 Head Due Between Sept. 22 & 25**

**50 to 60 Head**
**WHITE DIAMOND GILTS**
**Here Now a new cross again. Large White & Landrace, first generation true F-1 gilts. Parent stock originated from Lieske Bros. Minnesota. Very productive in litter size and feed conversion.**

Vaccinated for Lepto, Erysiplas, Rhinitis, E'Coli, Pasteuerella

Hand mated with Breeding Dates

Local Trucker Available
No Hogs Sold On Commission

**JOHN B. STOLTZFUS**
R.D. 1, Kirkwood, Pa.
Abe Diffenbach, Auctioneer AU225L

NEXT SALE DATE SEPTEMBER 26, 1:00 P.M.

# Livestock market and auction news

VIRGINIA MARKETS

## Shenandoah Valley Livestock

**Harrisonburg, Va.**
**Saturday, Aug. 9**
**Report supplied by auction**

FEEDER CATTLE: STEERS: Steady. M&L-1 300-500 lbs. 57.50-65.00; 500-700 lbs. 58.00-62.50; 700-1000 lbs. 55.50-59.00; Holstein 300-1000 lbs. 38.00-45.50. S-L&M&L-2 300-500 lbs. 51.00-60.00; 500-700 lbs. 53.25-59.50; 700-1000 lbs. 46.50-55.00.

FEEDER BULLS: Steady. M&L-1 300-500 lbs. 56.50-65.50; 500-700 lbs. 48.00-55.25; 700-800 lbs. 42.00-44.25. S-L&M&L-2 300-500 lbs. 47.00-55.00; 500-700 lbs. 44.50-47.00; 700-800 lbs. 39.25-40.00.

HEIFERS: Steady to 1.00 higher. M&L-1 300-500 lbs. 50.50-55.50; 500-700 lbs. 48.25-57.00; 700-1000 lbs. 47.00-51.50. S-L&M&L-2 300-500 lbs. 45.00-51.00; 500-700 lbs. 44.75-48.00; 700-1000 lbs. 43.50-46.00.

STOCK COWS: Beef w/Calves 325.00-430.00; Dairy Baby Calves 20.00-71.00.

SLAUGHTER COWS: 1-2.00 higher. Utility & Commercial 2-4 33.50-39.00; Canner & Cutters 1-3 25.00-32.50.

SLAUGHTER BULLS 1&2: 40.50-47.50.

LAMBS: $.50 higher. Blue O High Choice & Prime 65.55; Red O Choice 63.00; Feeder Lambs Choice 68.00-69.50; Slaughter Ewes 10.00-27.25.

HOGS: US 1-3 200-240 lbs. 62.20; Sows 1-3 40.50-49.50; Boars 30.00.

VEALS: Good 50.00-61.00.

SLAUGHTER CALVES: Good & Choice 45.00-53.00.

## Virginia Cattle

**Richmond, Virginia**
**Northern, Va.**
**Thurs., Aug. 7 to**
**Wed., Aug. 13, 1986**
**Report Supplied by VDA**
**Head Count: 8,541**
**Trend: Steady to $3.00 higher.**

STEERS: Medium 1 300-500 lbs. 61.50-70.00; 500-700 lbs. 53.00-64.00; 700-1000 lbs. 52.00-60.25. Large 1 300-500 lbs. 64.75-70.00; 500-700 lbs. 55.00-63.50; 700-1000 lbs. 51.00-62.75. Small 1 300-500 lbs. 52.50-65.00; 500-700 lbs. 49.00-58.00; 700-1000 lbs. 48.00-55.00.

HEIFERS: Medium 1 300-500 lbs. 48.00-56.50; 500-700 lbs. 48.00-58.00; 700-900 lbs. 44.00-54.75. Large 1 300-500 lbs. 50.00-56.00; 500-700 lbs. 50.00-57.00; 700-900 lbs. 47.25-55.00. Small 1 300-500 lbs. 45.00-51.00; 500-700 lbs. 46.00-51.00.

**South & Southwest Va.**

STEERS: Medium 1 300-500 lbs. 62.00-73.00; 500-700 lbs. 54.00-65.50; 700-900 lbs. 54.00-58.75. Large 1 300-500 lbs. 65.00-77.00; 500-700 lbs. 55.00-66.00; 700-900 lbs. 52.00-59.50. Small 1 300-500 lbs. 55.00-68.00; 500-700 lbs. 52.00-64.00; 700-900 lbs. 59.00.

HEIFERS: Medium 1 300-500 lbs. 51.00-61.75; 500-700 lbs. 49.00-58.75; 700-900 lbs. 46.50-55.40. Large 1 300-500 lbs. 50.00-63.75; 500-700 lbs. 51.00-58.75; 700-900 lbs. 47.00-56.00. Small 1 300-500 lbs. 47.00-58.50; 500-700 lbs. 43.00-53.75.

## Four States Livestock

**Hagerstown, Md.**
**Wednesday, Aug. 13**
**Report supplied by Auction**

SLAUGHTER: Fed Steers-Steady. Low Choice 55.00-56.00; Good 50.00-54.00; Medium 45.00-49.00. Heifers- Choice 52.00-54.00; Good 47.00-51.00; Medium 42.00-46.00. Cows- $.50 higher. High Yield 37.00-37.25; Average 30.00-36.50; Big Middle 29.00-32.00; Fatty Herf. 28.00-32.00; Shelly 31.00-Down. Fat Bulls- Steady. Good 45.00-47.00; Medium 42.00-44.00. Veal Calves-No choice, steady prices, farm bulls $8 higher. Good 60.00-62.50; Medium 52.00-59.00. Farm Bulls-75.00-86.00. Light Calves 35.00-42.00. Weak Calves 34.00-Down. Lambs- Steady. Choice & Good 65.00-67.00; Medium 59.00-64.00.

STOCKER: Good run, steady prices. Steers- 300-550 lbs. Choice 57.00-59.00; Good 51.00-56.00; Medium 46.00-50.00; Culls 45.00-Down. Steers- 600-850 lbs. Choice 53.00-57.00; Good 49.00-52.00; Medium 48.00-Down. Heifers- (All Weights) Choice 50.00-55.00; Good 44.00-49.00; Medium 37.00-43.00. Springing Heifers to $635. Pigs, Hd.- $2 higher. 20-35 lbs. 30.00-39.00; 40-80 lbs. 40.00-55.00. Shoats by Lb.- 54.00-63.00. Slaughter Hogs-Few Offered. 230-240 lbs. 60.25-61.00. Sows- $1.50 higher. 450-625 lbs. 47.00-51.75; 300-400 lbs. 45.00-46.00. Bulls- Good 48.00-52.00; Medium 42.00-47.00.

## Grantsville Livestock

**Grantsville, Maryland**
**Saturday, Aug. 9, 1986**

Large: 50-62.
Med: 40-45.
HOGS: Top Barrows & Gilts 63.00-64.70; Heavy Butcher 60.00-64.50; Light Butcher 52.00-62.00; Butcher Sows 45.00-57.00; Feeder Shoats 25.00-51.00.

VEAL: Good 70.00-80.00; Standard 60.00-70.00; Utility 45.00-59.00; Bull 65.00-75.00.

SHEEP & LAMBS: Good 62.00-68.00; Utility 51.00-58.00; Slaughter Ewes 18.00-25.00.

SLAUGHTER CATTLE: Steers: Good 53.00-58.75; Standard 50.00-52.50; Utility 42.00-48.00.

HEIFERS: Good 52.00-57.75; Standard 42.00-48.00; Utility 35.00-40.00.

COWS: Commercial 34.00-41.00; Utility 31.00-32.00; Canner & Cutter 30.00-Down.

BULLS: Commercial & Good 45.00-50.50; Cutter & Utility 40.00-44.00.

STOCK-FEEDER CATTLE: (Yearling Steers) Good 55.00-58.00; Medium 45.00-52.00.

STEER CALVES: Good 58.00-64.00; Medium 48.00-55.00.

HEIFER CALVES: Good 50.00-58.00; Medium 35.00-48.00.

## Farmers Livestock Auction

**Duncansville, Pa.**
**Aug. 11, 1986**
**Report supplied by auction**

CATTLE 202. STEERS: H. Choice & Prime None; Choice 56.50-59.25; Good 50.00-53.50; Standard 40.50-46.25. HEIFERS: Choice 52.50-54.75; Good 48.50-51.25. COWS: Utility & Commercial 37.50-40.50; Cutters 34.50-37.75; Canner and Low Cutter 30.00-35.75. BULLOCKS: Good & Choice 50.50-52.75. BULLS: Yield Grade No. 1 42.50-50.75. FEEDER CATTLE: Steers Good 50.00-58.50, Standard 38.50-46.50. Bulls Good 47.00-53.50, Standard 36.50-45.50, Heifers Good 44.00-52.50, Standard 34.50-43.00.

CALVES 220: Prime None; Choice 65.00-73.50; Good 52.50-64.00; Standard & Good 45.00-56.00; 90-110 lbs. 42.50-48.50; 65-90 lbs. 35.00-43.50; Holstein Bulls 90-130 lbs. 60.50-86.50; Holstein heifers 90-130; lbs. 50.00-62.50.

HOGS 88: Barrows & Gilts US No. 1-2 215-245 lbs. 61.50-64.00; US No. 1-3 215-275 lbs. 60.00-62.75. SOWS: US No. 1-3 47.50-54.00.

FEEDER PIGS 5. US No. 1-3 20-35 lbs. 30.00-42.50 per head No.

SHEEP 51. Slaughter lambs Choice 90-100 lbs. 65.00-71.00; Good 75 lb.-85 lb. 60.00-64.50. Sl. Ewes 21.50-24.50 lbs.

GOATS 4. $22.50-$34.00 per hd. 1 load of Hay 70.00 per ton. 1 load straw 59.00 per ton.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Lancaster Farming

# OPINION

## No Life Without Quality Water

Ag Progress Days start next week south of State College at Rock Springs. "Water Quality In Your Life", the theme of this year's event at first doesn't seem to have much to do with plowing, planting, making hay and picking corn. But it soon breaks into your thinking that not many of these farming activities would get done if we didn't have enough good quality water in our lives.

Those in drought-stricken areas of the country know first hand the hardship of limited and polluted water supplies. And travelers to other countries for many years have been warned not to drink the water because of dysentery problems from pollution.

In most areas we have been blessed to the point where we often look at water as an unlimited free commodity to be used without thought of proper stewardship. We think the streams in our meadows will continue to flow endlessly. The wells, springs and cisterns on our farms will always supply abundant clear, clean, fresh water for our livestock and our families.

But we've had a rude awakening in recent years. The urban population with its appetite for water supplies and need for sewage disposal has invaded our rural areas. Nonpoint pollution of agricultural water with nitrates and chemicals has increased to the point of alarm.

In a publication distributed this week by The League of Women Voters in Pennsylvania, we are reminded that the Chesapeake Bay is a national treasure in serious trouble from the pressures imposed on it by man. Although many factors contribute to the decline of the bay, the studies generally agree that the substantial increase in nutrients and toxics pose the most serious threat to the bay's resources. Discharges from industry and municipal waste water treatment plants can contain toxic substances, principally metals, chlorine and chlorinated organic compounds. Nonpoint sources of toxics include urban runoff and air pollution which contribute lead and zinc to the Susquehanna and the bay. In addition, runoff form rural agricultural areas contains pesticides and herbicides.

So along with all of the big equipment field demonstrations and hay judging events that lure us to Ag Progress Days next week, let's also take a look at the exhibits in the theme building.

There you will find a feature that PSU has designed for home water treatment that can hook into municipal water systems. Safe chemical application for farmers related to spray nozzels and water quality. How to protect your ground water. A model that shows recommended drainage procedures to control runoff from livestock pens.

Another exhibit shows the cost of water in perspective compared to other services and products. It also shows the cost of not having good water. Such as the cost of disease outbreaks, facts and figures related to acid rain in Pennsylvania and its affects. Insects and water quality assessment will feature two live stream environments to demonstrate that life in streams is an early indicator of water quality. Home lawn pollution shows how runoff from fertilizer and other home lawn applications can be a problem.

We believe water will exceed biotechnology in importance and impact on agriculture in the near future. So it behooves us to take a trip to Ag Progress Days next week and learn about water quality in our life. Really there is no life without it.

## NOW IS THE TIME

**By Jay Irwin**
Lancaster County Agriculture Agent

**To Ensile Corn At The Proper Stage**

Most of our corn crop looks good after the recent rain and corn silage is an important part of the feeding program in dairy and feeder cattle. Harvesting corn at the right time is very important. I'd like to point out that more feed nutrients will be harvested if the ear can be allowed to mature into the early dent stage. Silage research reveals that corn made into silage in the silk stage will yield only 63 percent feed nutrients, while corn in the dent stage should give silage with 69 percent feed nutrients.

The important thing is to allow the ear to develop properly before ensiling, if at all possible. Corn silage is a valuable crop; let's make every effort to harvest the maximum feed nutrients.

**To Check For Next Year's Corn Rootworm**

Corn rootworm numbers appear to be high in many fields this year, according to Dr. Dennis Calvin, Extension entomologist at Penn State. The mild winter temperatures and adequate snow cover probably contributed to good survival of overwintering eggs. In a number of cases, economic levels have been reported in second year corn. That economic level is achieved when at least three roots are chewed back to within 1½ inches of the plant. Decisions to apply an insecticide next year should be based on peak adult numbers counted this year.

Because of the warm spring and hot summer temperatures adult emergence appears to be about two weeks earlier than last year. So if you see a lot of little green beetles around your home within the next couple weeks, that's the adult stage of the corn rootworm, and will be your indicator for next year's problem.

**To Apply For Gasoline Tax Refund**

I would like to remind our farmers that applications for the Pennsylvania Liquid Fuel Tax Refund should be filed before Sept. 30.

Farmers may apply for an 11 cent per gallon refund on all liquid fuels used in non-licensed tractors when used off the highway for agricultural purposes, or non-licensed power farm machinery used for actual farm work. This includes fuel used in all auxiliary engines on balers, elevators and other stationary equipment.

The liquid fuel tax is for all farm production fuel used between July 1, 1985 and June 30, 1986.

The people who have not already received applications should apply by writing: Board of Finance and Revenue, Room 409, Finance Building, Harrisburg, PA 17120 or by calling 717–787-3365.

Remember, applications received after Sept. 30 will not be honored; they must be filed on time. The time to do it is now.

**To Fertilize Strawberries**

The new strawberry patch that you planted this spring should be pushing runners by this time of year. It's a good idea to fertilize these new plantings during August. A fertilizer high in nitrogen of nitrogen only would be best.

The objective is to encourage more runners and develop a stronger plant. It will also increase yields for next summer. Another thing, weeds must be controlled at all times to have a healty strawberry patch. The earlier in the summer we can get the runner plants to take root, the better they will be established for next year.

The Cooperative Extension Service is an affirmative action equal opportunity educational institution

## Farm Calendar

**Saturday, August 16**

Central Pennsylvania Championship Holstein Show, Huntingdon Fairgrounds, 6 p.m.

Northeast District 4-H Dairy Show, Troy.

Lancaster County Beekeepers Meeting, Robert Fulton Inn, Rt. 222 south of Quarryville, 12:30 p.m.

Southcentral Pork Producers Picnic, Memorial Park, Shippensburg, 6:30 p.m.

Somerset County Fair, Meyersdale; continues through Aug. 24.

Bucks County 4-H Fitting and Showmanship Contest, Middletown Grange Fairgrounds, Wrightstown, 11 a.m.

Grand Squares Dance, East Petersburg Firehall.

Weekend Horse Ride in Blue Mountains, featuring catered meals and live band. For flyer call Gene or Beverly at 717-366-1131.

**Sunday, August 17**

Crawford County Fair, Meadville; continues through Aug. 23.

Fulton County Fair, McConnelsburg; continues through Aug. 23.

Mountain Area Fair, Farmington; continues through Aug. 23.

**Monday, August 18**

Crawford County Fair, Meadville; continues through Aug. 23.

**Tuesday, August 19**

Ag Progress Days, Rock Springs Research Station, Pennsylvania Furnace; continues through Thursday.

Northeast Pennsylvania Championship Holstein Show, 9:30 a.m., Troy Fairgrounds.

Elk County Fair; continues through Aug. 23.

Harford Fair, Harford; continues through Aug. 23.

Hookstown Grange Fair, Hookstown; continues through Aug. 23.

Perry County Fair, Newport; continues through Aug. 23.

Cumberland County 4-H Swine Roundup, Carlisle Livestock Market; show, 9:30 a.m., sale at 6 p.m.

**Wednesday, August 20**

District FFA Dairy Show, Kutztown.

Pennsylvania Nurserymen's Association advertising seminar, Holiday Inn, Pittsburgh.

Performance Tested Boar Sale, MAEC, State College.

Dawson Grange Fair, Dawson; continues through Aug. 23.

Lehigh County 4-H Market Hog Roundup, Quakertown Livestock Market; show at 9 a.m., sale, 4 p.m.

Lancaster County 4-H Fair, Manheim Farm Show Complex, Manheim; continues tomorrow.

**Thursday, August 21**

Mount Nebo Grange Fair, Sewickley; continues through Aug. 23.

Southeast District FFA Dairy Show, Kutztown Fairgrounds, 8 a.m. to noon.

Wye Field Day, Wye Research Center, Carmichael, Md.

**Friday, August 22**

Southeast District 4-H Show, Kutztown.

Centre County Grange Fair, Centre Hall; continues through Aug. 28.

**Saturday, August 23**

Southeast District 4-H Horse Show, Berks County 4-H Center, Leesport.

**Sunday, August 24**

Sullivan County Fair, Forksville; continues through Aug. 30.

West End Fair, Gilbert; continues through Aug. 30.

**Monday, August 25**

Elizabethtown Community Fair, Elizabethtown; continues through Aug. 30.

Indiana County Fair, Indiana; continues through Aug. 30.

**Tuesday, August 26**

Jamestown Community Fair, Jamestown; continues through Aug. 30.

Wattsburg Fair, Wattsburg; continues through Aug. 31.

Allentown Fair, Allentown; continues through Sept. 1.

Greene-Dreher Sterling Fair, Newfoundland; continues through Sept. 1.

## THE BIBLE SPEAKS

BY LAWRENCE W. ALTHOUSE

### OUR WORST SUBJECT

**August 17, 1986**

**Background Scripture:** Daniel 1.
**Devotional Reading:** Daniel 5:1-8.

Forgive me for repeating that old story of the little boy who brought home his report card with an "E" in discipline. Challenged by his father, he explained blithely that "Oh, discipline is my worst subject."

For lots of us, "discipline is our worst subject," and many of us are even less successful with self-discipline. In this self-indulgent age in which we live, it may seem that discipline is one of the least desirable arts. After all, who needs it?

**ESTEEM AND DISCIPLINE**

And the answer that may surprise some: ***all of us!*** As one who has been counselling for more than 30 years, I have found that one of the most frequent problems is a lack of self-esteem. Furthermore, one of the main reasons that many people lack an adequate level of self-esteem is that they have never succeeded in learning to discipline themselves. While they may revel in being "free" from the strictures of self-discipline, they suffer greatly from the realization that they are not really in conscious control of their own lives.

One of the keys to self-discipline is practice. The more often we successfully discipline ourselves — act in accordance with what we have freely decided to do — the stronger we become in self-discipline.

If we learn how to discipline ourselves in non-essential matters, we will be more likely to control ourselves in things that are critical. So, if you're saving self-discipline for a "rainy day," you may find that when the rains come it is too late to learn how to do it.

**DANIEL RESOLVED**

Note that when Daniel decided to abstain from the king's rich food, it was his own decision. The writer of Daniel does not say or even suggest that God had required this abstinance. Furthermore, it probably was not an issue that decided the course of Israel's future. It was likely one of those issues that might be labeled "desirable" but not "essential," exactly like many of the issues that face us.

But in Daniel's mind it seemed important to avoid the rich food of the King, food which probably violated Israel's dietary laws, although we cannot be certain of it. Nevertheless, "Daniel resolved that he would not defile himself. . ." It proved to be one of the most important decisions he ever made.

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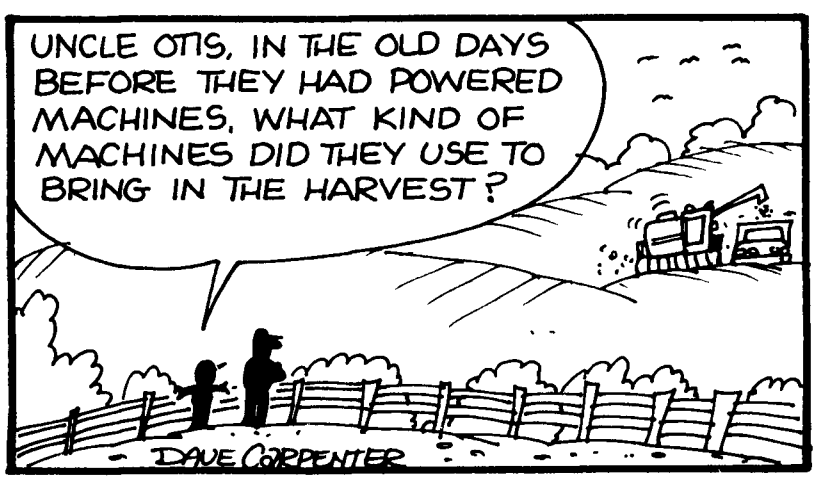
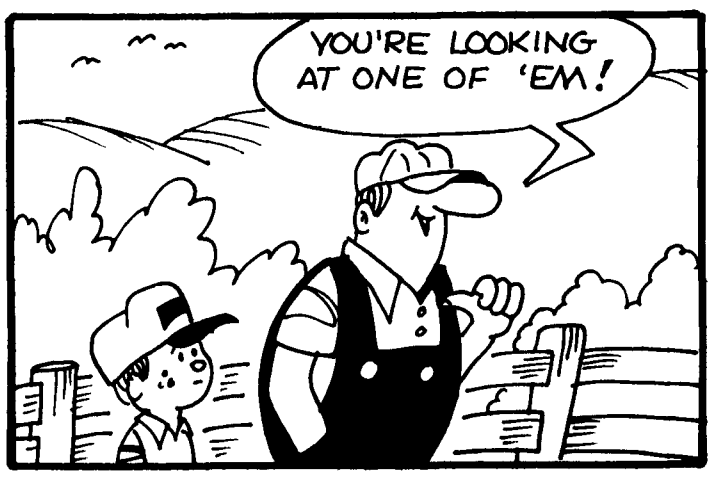

UNCLE OTIS, IN THE OLD DAYS BEFORE THEY HAD POWERED MACHINES, WHAT KIND OF MACHINES DID THEY USE TO BRING IN THE HARVEST?
DAVE CARPENTER



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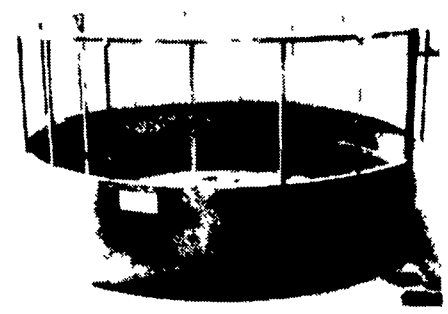

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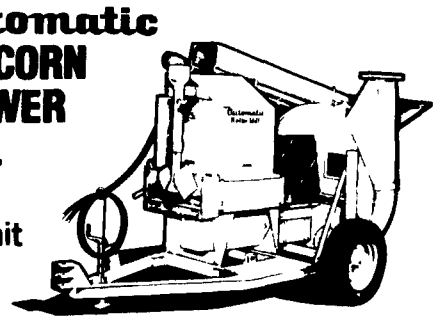

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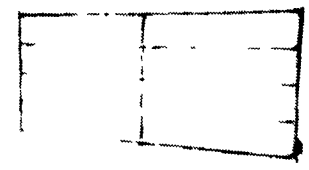

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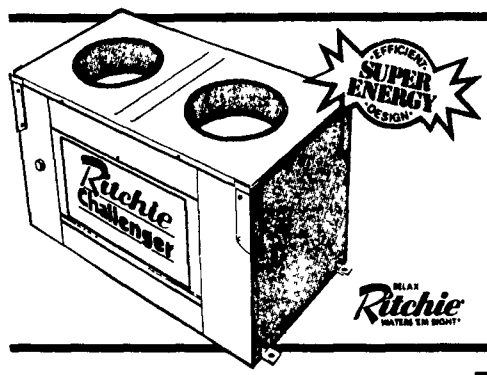


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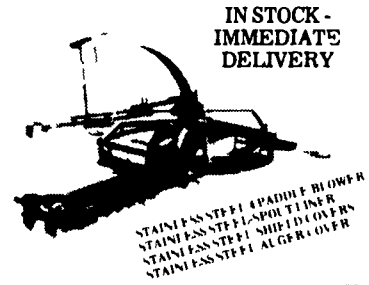
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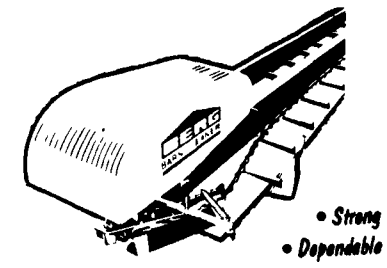


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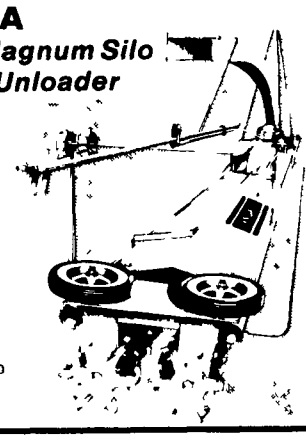

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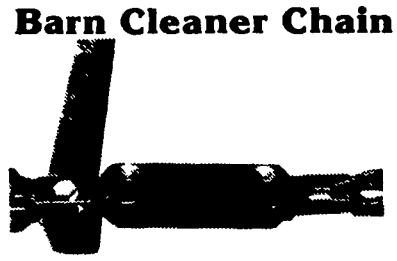
Slinger 4500

**1 DEMO 3000 GAL.**
**$3,500**

**Barn Cleaner Chain**



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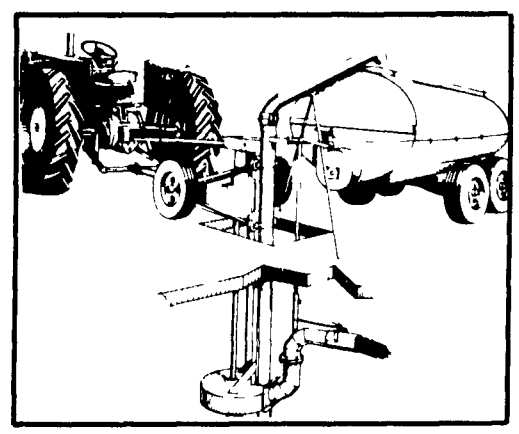
VAN DALE



Agitator/Filler Pump

**BRAND NEW ITEM**

**Orbit Mixer For TMR With Stainless Steel Drum**

## Eighty-Four Livestock

**Eighty-Four, Pa.**
**Monday, Aug. 11**
**Report supplied by PDA**

CATTLE 317. No price comparisons. Few Choice slaughter steers 54.50-57.00, Good 50.00-54.00, Standard 46.50-50.25, few Utility 40.00-44.25. Choice slaughter heifers 52.75-57.75, few Good 49.00-53.00, Standard 42.50-45.00, Utility 38.50-43.00. Breaking Utility and Commercial slaughter cows 36.00-39.25, few High Yielding Commercial 40.00-42.25, Cutter and Boning Utility 34.25-37.50, Canner and Low Cutter 30.00-34.50, Shells down to 20.00. One Choice slaughter bullock 51.00. Yield Grade No. 1 1100-1860 lbs. slaughter bulls 43.50-48.25, Yield Grade No. 2 900-1550 lbs. 40.00-44.00. FEEDER CATTLE: Medium and large Frame No. 1 400-650 lbs. feeder steers 48.00-57.00, few Medium Frame No. 1 300-350 lbs. 58.00-64.00. Medium Frame No. 1 300-600 lbs. feeder heifers 44.00-55.00. Medium Frame No. 1 300-600 lbs. feeder bulls 46.00-57.00.

CALVES 246. Few Choice vealers 65.00-75.00, one 80.00, Good 57.00-65.00, Standard and Good 90-120 lbs. 41.00-51.00, 60-85 lbs. 36.00-42.00, few Utility 50-70 lbs. 30.00-36.00. FARM CALVES: Holstein bulls 90-130 lbs. 55.00-70.00, few 85.00.

HOGS 126. US No. 1-2 215-240 lbs. barrows and gilts 63.00-64.75, No. 1-3 205-265 lbs. 61.80-63.20, few No. 2-3 200-230 lbs. 58.00-59.00. Lot No. 1-3 133 lbs. 54.00. US No. 1-3 340-580 lbs. sows 50.00-53.50, No. 2-3 400-600 lbs. 47.00-50.00. Few Boars 44.00-46.00.

FEEDER PIGS 14. Few US No. 1-2 50-60 lbs. 54.00-60.00, few No. 1-3 35-50 lbs. 39.00-46.00.

SHEEP 216. High Choice and Prime 75-100 lbs. slaughter lambs 70.00-76.25, Choice 80-100 lbs. 64.50-69.00, lot 116 lbs. 49.50, Good and Choice 54-74 lbs. feeder lambs 64.00-76.50. Slaughter sheep 15.00-26.00.

GOATS 7. 10.00-35.00 all per head.

## Dewart Livestock

**Dewart, Pa.**
**Monday, Aug. 11**
**Report Supplied by PDA**

CATTLE 176. Compared with last Monday's market: Slaughter cows .75-$2 higher. Few Choice slaughter steers 985-1185 lbs. 57.25-62.00, few Good 48.00-55.75, few Good and Choice Holsteins 45.00-49.75. Few Good slaughter heifers 54.00-54.50. Breaking Utility and Commercial slaughter cows 36.75-39.50, one 40.60, Cutter and Boning Utility 34.25-37.50, Canner and Low Cutter 31.50-34.50, Shells down to 28.00. One Choice slaughter bullock 52.00. Few Yield Grade No. 1, 1130-2130 lbs. slaughter bulls 41.75-47.85.

CALVES 220. One Choice vealer 80.00, few Good 55.00-65.00, Standard and Good 70-105 lbs. 42.00-48.00, Utility 60-80 lbs. 30.00-42.00. FARM CALVES: Holstein Bulls 90-140 lbs. 47.00-85.00, mostly 65.00-80.00.

HOGS 54. US No. 2-3 215-250 lbs. 62.10-63.60, Lot 3-4 270 lbs. 58.10. Few US No. 1-3 430-510 lbs. sows 50.50-51.75. Boars 44.00-47.50.

FEEDER PIGS 120. US No. 1-3 20-35 lbs. feeder pigs 35.00-42.50, 35-45 lbs. 41.00-47.00 all per head.

SHEEP 17. Choice 95-130 lbs. spring slaughter lambs 50.00-61.00.

GOATS 18: Large 30.00-47.50, Kids 7.00-22.00, all per head.

## Morrison Cove Livestock

**Martinsburg, Pa.**
**Aug. 11, 1986**
**Report supplied by auction**

CATTLE 146. STEERS: H. Choice & Prime 59.50-61.75, Choice 57.00-58.75; Good 55.25-56.75; Standard 42.25-48.75. HEIFERS: Choice 54.50-57.25, Good 50.00-53.75. COWS: Utility & Commercial 38.50-41.75; Cutters 33.50-37.25; Canner & Low Cutter 28.50-34.75. BULLOCKS: Good & Choice 50.00-53.75. BULLS: Yield Grade No. 1 44.50-48.75. FEEDER CATTLE: Steers Good 47.50-56.50; Standard 40.50-46.50. Bulls Good 45.00-52.50, Standard 39.50-47.50. Heifers Good 44.00-52.50, Standard 38.50-43.50.

CALVES 204: Vealers Prime None; Choice 64.50-77.50; Good 55.00-62.50; Standard & Good 47.50-57.50; 90-110 lbs. 43.00-48.50; 65-90 lbs. 35.00-43.50; Holstein bulls 90-130 lbs. 52.50-84.00; Holstein Heifers 90-130 lbs. 45.00-60.50.

HOGS 132. Barrows & Gilts US No. 1-2 210-245 lb. 63.50-64.75; US No. 1-3 215-255 lb. 60.50-62.75.

SOWS: US No. 1-3 48.50-52.75.

FEEDER PIGS 61: US No. 1-3 20-35 lbs. 32.50-43.50 per head, No. 1-3 35-50 lbs. 44.00-50.00 per head.

SHEEP 17: Slaughter lambs Choice 85-95 lbs. 60.50-65.00; Good 50-80 lbs. 50.00-61.00; Sl. Ewes $22.50-$31.50.

GOATS 4: $22.50-$37.50 per hd.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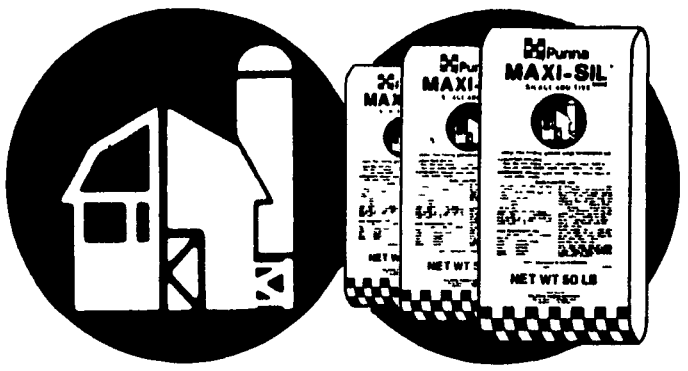


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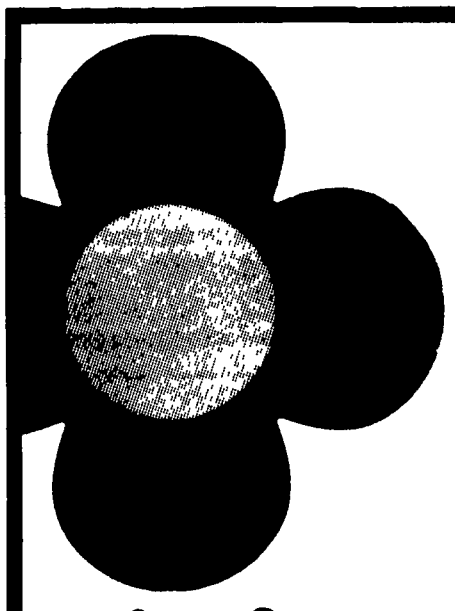

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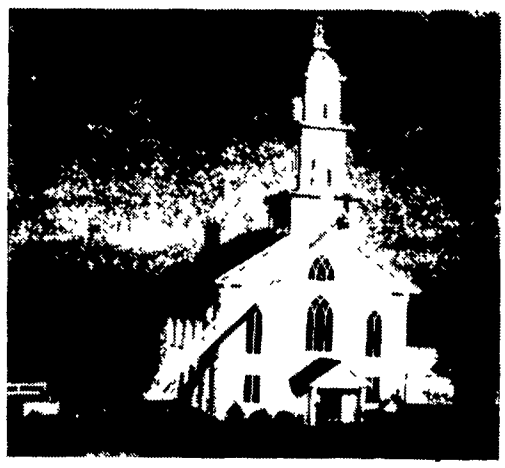

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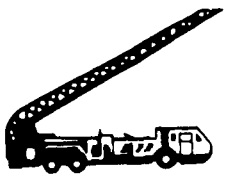

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## New Wilmington Livestock Auction

**New Wilmington, Pa.**
**Monday, Aug. 11, 1986**
**Report supplied by PDA**

CATTLE 228. Compared with last Monday's market: Slaughter cows $1.50-$2 higher. Few Choice slaughter steers 57.50-58.75, few Good 50.00-54.75. Two Choice slaughter heifers 55.50 & 56.00, Standard 41.00-46.00, Utility 36.50-41.00. Breaking Utility and Commercial slaughter cows 37.00-41.00, few 41.50-43.00. Yield Grade 4-5 33.00-36.75, Cutter and Boning Utility 35.00-39.50, Canner and Low Cutter 32.00-35.50, Shells down to 25.00. Few Utility slaughter bullocks 38.50-40.25. Yield Grade No. 1 1195-1865 lbs. slaughter bulls 43.50-48.25. FEEDER CATTLE: Medium Frame No. 1 665-810 lbs. feeder steers 47.00-54.00. Medium and Large Frame No. 1 565-815 lbs. feeder heifers 45.00-50.50, Medium and Large Frame No. 2 440-690 lbs. 30.00-38.75. Few Medium Frame No. 1 400-620 lbs. feeder bulls 48.00-56.00.

CALVES 281. One Prime vealer 90.00, few Choice 75.00-80.00, few Good 60.00-67.00, Standard and Good 90-120 lbs. 40.00-47.00, 65-85 lbs. 33.00-41.00, Utility 50-90 lbs. 28.00-34.00. FARM CALVES: Holstein bulls 95-130 lbs. 50.00-70.00, 85-90 lbs. 46.00-50.00. Holstein heifers 90-120 lbs. 49.00-57.00.

HOGS 254. Barrows and gilts $2-$2.50 higher. US No. 1-2 220-250 lbs. barrows and gilts 65.00-65.75, No. 1-3 215-250 lbs. 62.75-64.10, No. 2-3 225-260 lbs. 60.00-63.00, Lot 3-4 240 lbs. 57.50, No. 1-3 150-190 lbs. 51.00-54.00, Lot w/195 lbs. 59.50. Sows $1.50-$2 lower. US No. 1-3 250-360 lbs. 42.00-48.00, 340-600 lbs. 48.00-53.50. Boars 38.00-44.50.

FEEDER PIGS 65. US No. 1-3 20-30 lbs. feeder pigs 20.00-31.00, few 40 lbs. 40.00, Lot 50 lbs. 50.00, all per head.

SHEEP 164. High Choice and Prime 70-90 lbs. spring slaughter lambs 70.00-77.00, 90-115 lbs. 62.00-69.00, few 120-130 lbs. 55.00-58.50, Choice 80-105 lbs. 55.00-69.00, Good and Choice 40-80 lbs. feeder lambs 60.00-74.00, Slaughter ewes 12.00-19.00.

GOATS 8. 11.00-21.00 per head.

## Frederick Livestock

**Monday, Aug. 11, 1986**

BUTCHER COWS: $2-$3 higher. Good 38.00-40.75; Standard & Utility 33.00-37.00; Canners 30.00-33.00; Shelly 31.00-Down.

BULLS: Good 46.00-54.00; Medium 42.00-45.00.

STEERS: $2 Higher. Good 52.00-57.00; Standard 47.00-51.00.

BUTCHER HOGS: 1.50 higher. Tops 63.00-75.00; 220-240 lbs. 63.00-63.75; 250-260 lbs. 62.00-63.00.

SOWS: 300-600 lbs. 47.00-51.00; Thin Sows 42.00-46.00.

VEAL CALVES: Steady prices. Good-Choice 60.00-68.00; Standard 54.00-59.00; Stocky & Thin 47.00-53.00; Light Calves 34.00-42.00; Weak & Rough 33.00-Down.

CALVES RETURNING TO FARM: Bulls, $8 higher.

HOLSTEIN HEIFERS: 90-120 lbs. 43.00-49.00.

HOLSTEIN BULLS: 85-95 lbs. 65.00-74.00; 100-115 lbs. 75.00-89.00.

LAMBS: Good & Choice 65.00-69.00; Medium 60.00-64.00.

STOCK CATTLE: Light run, steady prices. Steers Good 51.00-55.00; Medium 45.00-50.00.

HEIFERS: Good 42.00-46.00; Medium 37.00-41.00.

SPRINGING HEIFERS: To 600.00.

PIGS & SHOATS: Steady prices. By The Head 40-70 lbs. $39.00-50.00; By The Lb. 20-35 lbs. 23.00-38.00.


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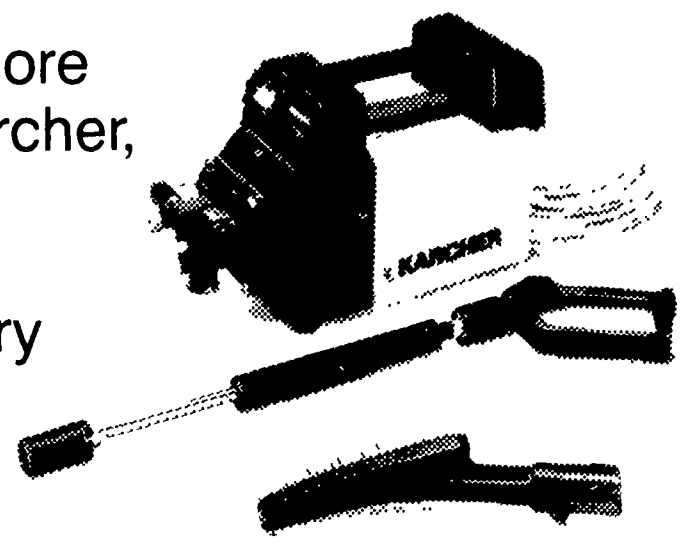

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## Carlisle Livestock

**Carlisle, Pa.**
**Tuesday, Aug. 12, 1986**
**Report Supplied by Auction**

CATTLE: Steers: 1.00 higher. Good 54.75-57.00; Good & Choice Holsteins 48.00-51.00; Medium Holsteins 38.25-43.75. Heifers- Mostly Steady to 1.00 Higher. Choice None Offered. Good 46.00-49.00; Medium Holsteins 36.75-44.75. Cows- Strong Demand! 1.50 to 2.00 higher. High Yield 40.00-41.60; Good 38.00-39.85; Medium 35.00-37.85; Big Middle 34.00-38.50; Shelly 33.00-Down. FAT Bulls- Good 46.00-50.00; Medium 43.00-45.75.

FEEDER CATTLE: Active bidding with strong demand for choice cattle on a good run. Steers- (300-550 lbs.) 2.00 higher. Choice 60.00-72.00; Good 52.00-59.00; Medium 47.00-51.001 Culls 40.00-45.00.

Heifers (all weights) 1.00 higher. Choice 56.00-62.00; Good 49.00-55.00; Medium-Good 39.00-47.00. Bulls (all weights) 2.00 to 4.00 higher. Choice 59.00-71.00; Good 50.00-56.00; Medium 46.00-Down.

VEAL CALVES: Active. Choice 70.00-82.00; Good 60.00-69.00; Medium 50.00-59.00; Light/Standard 40.00-49.00, Few 39.00-Down; Farm Bulls 65.00-85.00; Farm Heifers 50.00-63.50.

HOGS- Barrows & Gilts (US No. 1-3) 210-250 lbs. 60.00-62.50; over 260 lb. 49.50-56.00; Under 210 53.00-55.00. Sows- Over 450 lb. 47.00-51.75; under 450 45.00-48.25; 2 & 3's 41.75-43.50. Boars- Heavy 41.75-43.25; Light 44.00-46.00.

FEEDER PIGS- (by the hd) (15-20 lbs. 19.00-28.00) (25-35 lbs. 31.00-43.00) (40-60 lbs. 46.00-53.00).

SHEEP- Lambs- 2.00 higher. Choice 70.00-81.00; Good 61.00-69.00; Medium 59.00-Down. EWES- Mostly 24.00-30.00 lb. Goats- (Lg) 43.00-59.00; (hd) Sm./Med. 15.00-40.00. Next Week the sale will start at 4:45 p.m. with the 4-hog sale at 6:00 p.m.

## Westminster Livestock Auction

**Hagerstown, Md.**
**Tuesday, August 12**
**Report supplied by auction**

SLAUGHTER COWS: active $2 higher. High Yield 40.00-41.75; Utility 35.00-39.25; Canners 32.00-36.00; Shelly 31.00-Down. Bulls- steady. Good hvywt. 47.00-48.00; Med. Wt. 41.00-45.00. Fed Steers- 1 choice individ. 65.00. Low Choice to 58.00; Standard & Low Good Holsteins 39.00-43.00. Fed Heifers- Choice 920-950 lb. 55.00-56.50; Good & Low Choice 1150 lb. 45.00-51.25. Veal Calves- Steady Prices. Low Choice 63.00-70.00; Good 48.00-60.00; Standard 42.00-48.00; Killers 80-100 lb. 37.00-42.00; Weak/Rough 34.00-Down. Farm Calves- Holstein Bulls 100-125 lb. 65.00-80.00; 90-120 lb. 45.00-70.00. Butcher Hogs- Steady with last week. US #1&3 215-240 lb. 61.25-62.00; 240-260 lb. to 61.00; 300 lb. 48.00-51.00. Sows- 500-650 lb. 48.50-50.50; 300-500 lbs. 46.00-52.00.

STOCK CATTLE: Light run, demand stronger. Steers- Few Choice 350 lbs. 65.00; Few Med. 350-450 lb. 40.00-45.00; Few Good 500 lb. 56.00; Heifers 300-650 lb. 44.00-47.50; Med. 39.00-43.00. Bulls- Few Choice 300-400 lb. 60.00-67.00. Lambs - 44 head, good selection, few high Choice 90-110 lb. 67.00-75.00; Good to Choice 59.00-65.00; Good 51.00-58.00. 70-85 lb. Choice 61.00-68.00; Good 52.00-60.00; 40-65 lb. feeders 50.00-62.00. Sheep - $3 higher 23.00-28.00. Goats - 31 head Large 45.00-59.00; Med. 30.00-45.00; Thin & Small 15.00-25.00. Pigs & Shoats - 210 head, $3-$5 lower. By the Head: 20-30 lbs. 21.00-32.50; 30-45 lbs. 29.00-45.50; 60-70 lbs., few 44.00-46.00. By the Lb. 1 lot 121 lb. at 51.00; 1 lot 183 lb. at 50.50; 1 stock boar 195 lb. 44.50.

Next state graded feeder pig sale will be Aug. 22.

## Omaha Weekly

**Thursday, Aug. 14**
**Report supplied by USDA**

Slaughter steers and heifers closed this week's trading session 50 cents to mostly 1.00 higher than last week. Trading was marked by good buyer demand for the available inventory through midweek. Boxed beef and carcass beef price advances were dominant factors for upswings in live cattle prices.

Slaughter cows closed steady to 1.00 higher, slaughter bulls firm to 1.00 higher.

Estimated 5 day receipts this week 5,000 compared to actuals last week of 4,281 and 6,720 last year. Steers comprised 49.0 percent of receipts this week, heifers 42.0 percent, cows 7.0 percent, feeders zero percent.

SLAUGHTER STEERS: Choice 2-4 1050-1300 lbs. 60.00-61.50, load reputation fed 62.00. Mixed good and choice 2-3 1050-1200 lbs. 58.00-60.00. Good 55.50-58.00. Choice 2-3 1200-1500 lb. holsteins 50.00-51.25. Good 48.00.

SLAUGHTER HEIFERS: Choice 2-4 950-1100 lbs. 58.50-60.00, load and part load expected high dressing percentage 61.00, four loads 60.50-60.75. Choice 2-3 900-950 lbs. 58.00-58.50. Mixed good and choice 2-3 950-1100 lbs. 56.00-58.50. Good 53.00-56.00.

Average of LS 214 detailed quotations for choice 900-1100 lb. steers 59.35, 1100-1300 lbs. 60.58. Average cost of all steers this week 59.56 average weight 1,164 lbs. compared to 59.01 and 1,176 lbs. last week. Average cost of all heifers this week 58.55, average weight 1,021 lbs. compared to 57.91 and 1,031 lbs. last week.

SLAUGHTER COWS: Few breaking utility and commercial 2-3 36.50-39.75. Cutter and boning utility 36.50-39.75, few high dressing to 41.50.

SLAUGHTER BULLS: 1-2 1450-2200 lbs. 46.50-51.75, few low dressing 1300-1400 lbs. 43.00-45.75.

## Joliet Weekly

**Thursday, Aug. 14**
**Report supplied by USDA**

Sales this week 500; last week 418; a year ago 1669. Trading moderate for the week. Slaughter steers mostly 2.00 higher. Slaughter heifers 1.00 to 1.50 higher.

SLAUGHTER STEERS: Choice 2-4 1125-1225# 60.50-62.00; Good to mostly choice 2-3 1000-1100# 59.50-60.50.

SLAUGHTER HEIFERS: Choice 2-4 900-1050# 58.00-59.75; Mixed Good and Choice 2-3 875-950# 56.00-58.25.


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| MF 50 Gas (recently overhauled) | $3,250 |
| MH 22 w/3 pt. and 2 row cultivator | $1,650 |
| AC WC, hand SOLD (collectors tractor) | $650 |
| 4020, Syncro | $8,450 |
| Hydro Mack Skid Steer | $4,850 |

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8820 turbo hydro, auto header height, chopper, 30.5x32 tires, monitor, heater & air, reverse feeder house, wide rear axle.
6620 Side Hill, turbo hydro, heater & air, monitor, spreader.
6600 hydro, rotary screen, diesel, heater & air, chopper, US feeder house, monitor, adjustable rear axle, bin extension.
6600 gear, rotary screen, diesel, monitor, heater & air, US feeder house, bin extension.
4400 Diesel, rotary screen, high back seat, auto header height, heater & air, monitor, US feeder house, bin extension.
4400 Diesel, rotary screen, heater, monitor, US feeder house, bin extension, chopper.
NI 818 combine 4R narrow head & 13' flex head. Sharp

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| NI 2 row wide Pick SOLD | $2,450 |
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#244 Corn Head
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| JD 1010 Flat Fold Field Cultivator 18' | $3,650 |
| JD BWF 14' Flex Disc | $2,350 |
| JD 1450 5x16 Plow | $1,950 |
| AC 4x16" Slat Plow | $350 |
| 4x16" F145 Semi-Mtd. Plow | $1,450 |
| JD F845 Roll Over Plow (New) | $2,850 |
| JD 1450 4-16" Semi Plow | $1,450 |
| IH Model 470, 20' Disc | $2,650 |

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| JD FBB 15x7 Drill | $450 |
| JD 8 Row 7000 30" Planter (1) 6 Row 7000 No-Til Planter | each $7,850 |

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14.9x38 Direct Axle Dual Wheels

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| Papec #880 Grinder Mixer w/Molasses Attach - Sharp | $3,950 |

14.9x26 T-rail duals

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| JD 10' Dozer Blade 30 or 40 Series 2WD | $2,650 |
| NH 679 tandem axle spreader, hyd. endgate | $3,850 |

NH #90 Bale Mover

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|---|---|
| NH #513 Spreader | $1,450 |
| NI 214 Spreader w/End Gate | $1,850 |
| JD 148 Loader | $2,650 |

Best Land Rock Picker

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| 9 Tooth Folding Anhydrous Bar | $1,250 |
| Gehl 1580 Blower, lik SOLD | $2,750 |

**NEW JOHN DEERE EQUIPMENT AT GENERIC PRICES**

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| (1) JD 21' Model 400 Rotary Hoe with Transport | $2,975 |

**HAY MACHINES:**

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| Hesston Hydro-Swing Mower Conditioner | $2,750 |
| Hesston PT10 Mower Cond. | $2,350 |
| NH 850 Round Baler | $3,850 |

JD #336 Baler w/#30 ejector

**SPECIAL**
NEW 16' 3 BEATER
ARTSWAY FORAGE WAGONS
$3,450.00 each

**FOR SALE WINDOWS**
Galvanized frames, 6 lite
32"x40" Heavy Duty,
$6.00 Each.
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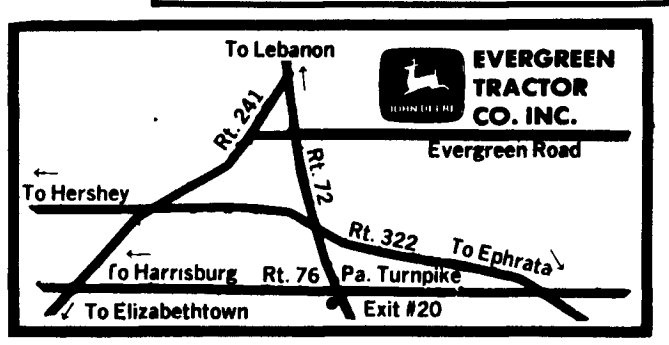



30 Evergreen Rd., Lebanon, PA., (717) 272-4641 or Toll Free 1-800-441-4450

## Greencastle Livestock

**Greencastle, Pa.**
**Monday, Aug. 11**

CATTLE 668. SLAUGHTER STEERS: 189. Choice & Prime 59.00-62.75, few to 64.00; Good & Choice 57.00-61.00, few to 64.25; Good & Choice — Holstein 47.00-51.75; Standard & Good Holstein — 43.00-47.75.

SLAUGHTER HEIFERS: 88. Choice 54.00-58.00, few to 61.50; Good & Choice 52.00-57.00, few to 60.50; Standard & Good 46.00-53.00.

COWS: 232. Utility & Commercial 36.50-38.75, few to 41.50; Cutter & Boning Utility 36.00-39.50, few to 42.50; Canner & Low Cutter 36.00 & down.

BULLS–ALL WEIGHTS: 71. Yield Grade 1 45.75-50.00, few to 54.00; Yield Grade 2 40.00-46.00.

STOCKER CATTLE--ALL WEIGHTS. 88. Steers — Medium & Good 53.00-61.00; Heifers — Medium & Good 44.00-52.50; Bulls — Medium & Good 48.00-57.00; Steers — Holstein 35.00-42.00.

CALVES 629. Good & Choice — 125 to 250 pounds 65.00-75.00, few to 86.00; Medium & Good — 125 to 250 pounds 55.00-67.00; Medium & Good — 80 to 120 pounds 45.00-55.00; Light & Cull — all weights 45.00 & down; Holstein Bulls — return to farm up to 91.00; Holstein Heifers — return to farm up to 58.00.

LAMBS, SHEEP & GOATS 185. Choice Lambs 64.00-69.00; Medium & Good Lambs 60.00-67.00; Light & Cull Lambs 55.00-65.00; Sheep, Ewes & Bucks 18.00-27.00; Goats — all sizes (by head) 10.00-60.00.

HOGS 108. No. 1-3 Butcher Hogs — 190-225 pounds 60.00-61.00; No. 1-3 Butcher Hogs — 225-250 pounds 60.50-62.50; No. 1-3 Butcher Hogs — 250-300 pounds 55.00-61.60; Good Butcher Sows — 400 pounds down 45.00-51.25; Good Butcher Sows — 400 pounds up 47.00-51.75; Heavy Boars — over 300 pounds 37.00-43.00; Pigs–all sizes (by head) 28.00-43.00.

**Sale every Monday afternoon at 3:00 p.m.; Hay & straw sale every Monday at 1:00 p.m.**

## Peoria Cattle

**Thursday, Aug. 14, 1986**
**Report Supplied by USDA**

Compared with last week close slaughter steers and heifers 1.00 to 1.50 higher. Cows and bulls steady to firm, instances 2.00 higher on cows. Supply mainly good to average choice slaughter steers and heifers with 5% cows. Estimated receipts this week 1250 compared with actual receipts of 1352 last week and 2039 a year ago.

SLAUGHTER STEERS: Choice 2-4, mostly 3 1050-1250 lbs. 58.50-61.50, mostly 59.00-60.50, 975-1050 lbs. 58.00-60.00. Mixed good and choice 2-3 1000-1200 lbs. 57.00-59.00. Good 2-3 900-1100 lbs. 52.00-57.00. Good and choice 2-3 holsteins 1250-1375 lbs. 47.00-50.00. Standard and good 2-3 holsteins 45.00-48.00.

SLAUGHTER HEIFERS: Choice 2-4, mostly 3 950-1150 lbs. 57.50-60.00, mostly 57.50-59.00; 875-950 lbs. 56.00-58.00. Mixed good and choice 2-3 900-1100 lbs. 55.00-57.00. Good 2-3 800-1000 lbs. 50.00-55.00.

COWS: Breaking utility 2-3 32.00-35.00. Cutter and boning utility 1-2 32.00-37.00, few high dressing 38.00-41.00. Canner and low cutter 30.00-35.00.

BULLS: YG 1-2 1500-1950 lbs. 45.00-47.50; 1300-1500 lbs. 43.00-45.00.

## East Coast Carlot

**Wednesday, Aug. 13, 1986**
**Report supplied by USDA**

Compared to Tuesday's close: Trading moderate. Special fed veal generally steady. Good and choice boning veal steady to 2.00 higher; Inshipped 1.00 higher.

**Veal Carcass- Hide On**
**Choice & Prime**
**(Special Fed)**
**Hide On 200 Head**

220-280 lbs. 138.00-145.00, generally steady.

**Good and Choice**
**Boning Type-Hide On**
**Northeastern Suppliers**
**230 Head**

65-75 lbs. 73.00, steady-2.00 higher.
55-64 lbs. 71.00.
45-54 lbs. 69.00.
35-44 lbs. 67.00.
34 lbs. dn. 65.00.

**Inshipped**
**380 Head**

71-80 lbs. 74.00 1.00 higher.
61-70 lbs. 72.00.
51-60 lbs. 70.00.
41-50 lbs. 68.00.
30-40 lbs. 66.00.

## Oklahoma Cattle

**Wednesday, Aug. 13**
**Report supplied by USDA**

Cattle & Calves: 1,700
Same Day Last Week: 1,191

Auction Sales Totaled 1218 head. Tuesday's Final Auction Count 11,176.

Feeder steers steady. Feeder heifers 1.00-2.00 lower. However, insufficient offerings of either class to fully establish trends. Steer demand moderate. Heifer demand light. Slaughter cows & bulls steady. Slaughter demand good. Bulk supply medium frame No. 1 thru No. 2 500-850# steers and mixed no. 1-2 and no. 2 400-700# heifers. Cows and bulls near 20% of auction sales. 55% of cow numbers replacements or feeder cows.

FEEDER STEERS: Medium and large frame 1 500-550 lb. 64.20-68.50; 600-700 lb. 64.10-65.75; load 770 lb. 62.70; 800-850 lb. 61.10-63.60; lot 995# 58.75.

Medium and large frame mixed 1-2 few 350-475# 67.25-68.50; 550-600# 60.30-65.30; 700-800# 62.00-62.90.

Small frame 1 650-700# 58.50-61.00; pkg. 880# 56.25.

Medium and large frame 2 few 375-500# 59.25-62.00; 500-800# 55.75-60.75; 850-880# 55.00-56.50.

Large frame 2 holsteins 525-925# 48.75-49.25.

FEEDER HEIFERS: Medium and large frame 1 400-475 lb. 58.75-63.10; 500-550 lb. 57.25-58.90.

Medium and large frame mixed 1-2 285-500# 56.00-58.50; 500-700# 55.00-58.50, lot 525# thin 58.90.

Medium and large frame 2 350-725# 48.25-55.00 bulk 50.00 up.

Medium frame 2-3 575-650# 40.30-42.50.

SLAUGHTER COWS: Utility boning, few breaking 1-3 35.00-37.00, pkg young 38.50. Cutter 1-2 34.50-38.75.

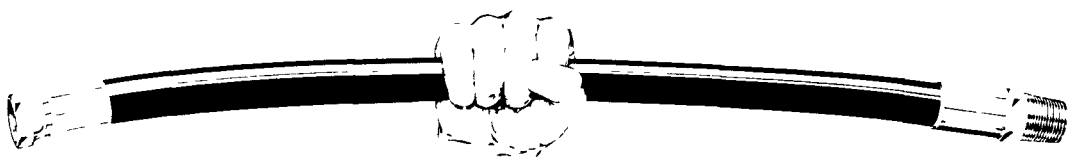
SLAUGHTER BULLS: Y.G. 1 1250-1550 lb. 44.00-47.00; pkg. 1020 lb. 41.75; individual 1775 lb. 50.00.

REPLACEMENT OR FEEDER COWS: Medium and large frame 1 young 41.50-44.25, lot 1160 lb. fleshy 38.00; Middle aged 35.00-39.00.

FOR THE WEEK: Feeder steers and heifers steady to 1.00 higher. Slaughter cows 1.50-2.00 higher. Slaughter bulls 1.00 higher.

***NOTICE: This report may be received electronically over USDA's electronic dissemination information system. Contact Russell Forte, area code 202-447-5505***


# HOW TO HANDLE PRESSURE



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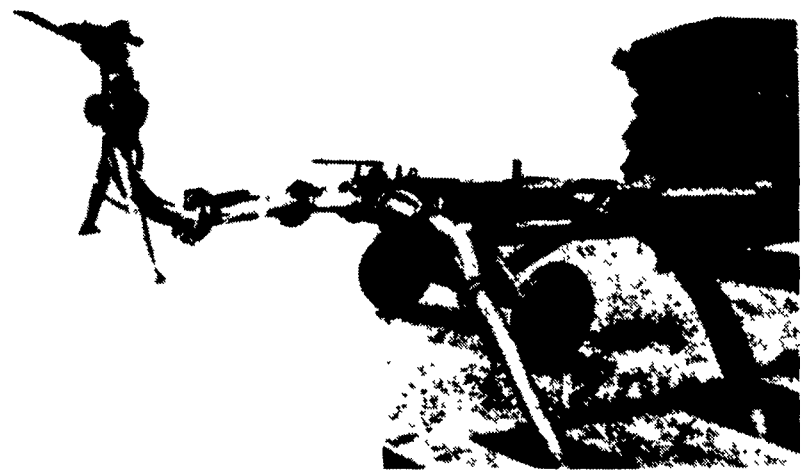

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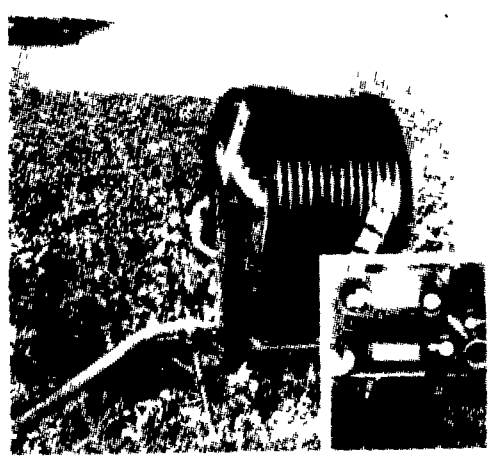

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- Tico Tempist Detroit dsl. 6/71, rebuilt, 1,750 GPM at 100 PSI ..... $12,500

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- 40 pcs. Wade 2x20 ..... $25
- 50 pcs. Race And Race 3x20 ..... $30
- 75 pcs. Tico (Spliced) 4x30 ..... $55
- 200 pcs. Larchmont 4x20 ..... $35
- 50 pcs. Shurerain 5x20 ..... $45
- 20 pcs. Tico 6x30 ..... $100
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- 130 pcs. Tico (High Pressure) 8x40 ..... $175

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## TICO MFG., INC.

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## St. Louis Cattle

**Thursday, August 14**
**Report supplied by USDA**

| | |
|---|---|
| Receipts This Week | 2,500 |
| Week Ago | 2,400 |
| Year Ago | 2,400 |

Compared to last week's close, slaughter steers 1.00-1.50 higher. Slaughter heifers 1.50-2.00 higher. Cows mostly 1.00 higher. Few bulls steady. Slaughter supply mainly choice steers and heifers, around 10% cows.

SLAUGHTER STEERS: Mixed choice and prime 2-4 1050-1325 lbs. 60.00 early, not tested late. Choice 2-4 975-1350 lbs. 59.00-60.50, closing 59.50-60.50. Mixed good and choice 2-3 900-1250 lbs. 57.50-50.00. Good 2-3 900-1250 lbs. 55.50-58.00. Mostly good 2-3 1050-1600 lb. holsteins 45.00-51.00. Mixed good and choice 2-3 1125-1150 lbs. 51.50-52.00. Load 1400 lbs. late 53.00.

SLAUGHTER HEIFERS: Mixed choice and prime 2-4 900-1125 lbs. 58.00-58.50. Couple packages 2-3 1075-1150 lbs. 59.00-59.25 early, not tested late. Choice 2-4 825-1125 lbs. 57.00-59.00, closing sales 58.00-59.00. Mixed good and choice 2-3 800-1050 lbs. 55.50-58.00. Good 2-3 750-1000 lbs. 52.00-56.00.

COWS: (Closing week sales) Breaking utility and commercial 2-4 36.00-38.00. Cutter and boning utility 1-2 38.00-39.00. High-yielding cutter and boning utility 1-2 39.00-40.00. Canner and low cutter 1-2 34.00-37.00. Shelly canner 1-2 30.00-34.00.

BULLS: YG 1-2 1150-2200 lbs. 44.00-49.00.

Wednesday's weekly sheep auction. Receipts around 350 head. Slaughter lambs 10.00-12.00 higher. Slaughter ewes 4.00-6.00 higher. Feeder lambs 5.00-10.00 higher. Improved quality. Very good demand.

SLAUGHTER LAMBS: Choice and prime shorn with no. 1-2 pelts 90-110 lbs. 75.50-78.00. Wooled 80-110 lbs. 72.00-77.50.

SLAUGHTER EWES: Utility to good 26.00-33.00.

FEEDER LAMBS: Choice and fancy 55-75 lbs. 70.50-76.50, package 75 lbs. 79.00. Choice 60-70 lbs. 65.50-72.50.

FEEDERS: Receipts around 700 head. Feeder steers and heifers opening steady to 1.00 higher, closing mostly 2.00-3.00 higher. Bulk of the receipts 400-600 lb. steers and heifers. Overall quality continues to improve. Good demand. Holsteins scarce.

FEEDER STEERS: Medium with a few large frame 1: 300-500 lbs. 64.00-69.25, few thin gaunt 70.00-74.00; 500-600 lbs. 62.00-67.75; 600-700 lbs. 59.00-64.25; 700-900 lbs. few 58.00-60.25.

FEEDER BULLS: Medium frame 1: 350-580 lbs. 55.50-60.50.

FEEDER HEIFERS: Medium with a few large frame 1: 300-500 lbs. 55.00-61.00; 500-600 lbs. 56.25-59.50; 600-700 lbs. 53.00-57.75; 700-900 lbs. 51.00-54.50, package fleshy 923 lbs. 58.50.

COW AND CALF PAIRS: Large frame 1: Four to five year olds 1,000-1,100 lbs. with 150 lb. calf at side $500.00 per pair.

Young 1,045 lb. with 200 lb. calf at side $477.50 per pair.

Small frame 1: Four year olds 800-1,000 lbs. with 100 lb. calves $405.00-420.00 per pair.

## Leesport Livestock

**Leesport, PA**
**Wednesday, August 13, 1986**
**Report Supplied by PDA**

CATTLE 261. Compared with last Wednesday's market: Slaughter steers steady to 1.50 lower. Slaughter cows uneven. High Choice and Prime 1060-1330 lbs. slaughter steers 62.00-64.85, Choice 1000-1420 lbs. 57.00-61.00, High Good and Low Choice 53.00-57.25, Good 50.00-54.50, Good and Choice Holsteins 47.00-52.50, one at 54.00, Standard 45.00-49.00. Few High Choice and Prime slaughter heifers 57.50-60.50, Choice 51.75-54.25, Good 47.10-51.60, few Standard 41.00-45.00, few Utility 33.35-37.50. Breaking Utility and Commercial slaughter cows 37.50-39.60, Cutter and Boning Utility 33.75-37.75, Canner and Low Cutter 31.25-34.75, Shells down to 25.00. Few Choice slaughter bullocks 50.50-55.50, Good 47.00-49.25, few Utility 39.50-41.00. Yield Grade No. 1 1140-2250 lbs. slaughter bulls 47.00-51.25, few Yield Grade No. 2 900-1125 lbs. 42.75-44.50.

FEEDER CATTLE: Few Large Frame No. 2 510-640 lbs. feeder steers 42.50-47.00. Medium Frame No. 1 500-600 lbs. feeder heifers 45.50-56.50. Few Medium Frame No. 1 400-750 lbs. feeder bulls 46.50-48.75.

CALVES 126. One High Choice vealer 70.00, Choice 62.00-67.00, few Good 48.00-55.00, few Standard 35.00-41.00, Standard and Good 90-120 lbs. 40.00-45.00, 65-85 lbs. 38.00-43.00, Utility 50-105 lbs. 25.00-36.00. FARM CALVES: Holstein bulls 90-120 lbs. 47.00-80.00, mostly 57.50-74.50. Holstein heifers 100-125 lbs. 50.00-56.00. Few Beef Cross bulls and heifers 80-105 lbs. 45.00-65.00, one at 90.00.

HOGS 306. Barrows and gilts strong, $1-$1.50 higher. US No. 1-2 200-240 lbs. barrows and gilts 62.85-64.25, No. 1-3 210-250 lbs. 61.00-62.35, No. 2-3 205-260 lbs. 60.00-60.85, No. 2-4 205-300 lbs. 51.00-54.50. Sows fully $5-$6 higher. US No. 1-3 330-500 lbs. sows 46.00-50.00, 500-710 lbs. 50.00-53.50. Boars 37.00-41.00, one 1030 lbs. at 27.00.

FEEDER PIGS 163. US No. 1-3 under 20 lbs. 15.00-18.00 per head. US No. 1-3 20-35 lbs. 100.00-123.00, 40-45 lbs. 92.00-127.00, 50-70 lbs. 75.00-86.00, all cwt.

SHEEP 58. High Choice and Prime 50-100 lbs. spring slaughter lambs 68.00-88.00, Choice 70-90 lbs. 78.00-84.00, Good 55-75 lbs. 71.00-75.00, Good and Choice 25-50 lbs. feeder lambs 80.00-100.00. Slaughter ewes 29.00-52.00, with yearlings to 66.00.

GOATS 46. Large 45.00-63.00, Medium 31.00-47.00, Kids 19.00-31.00—all per head.


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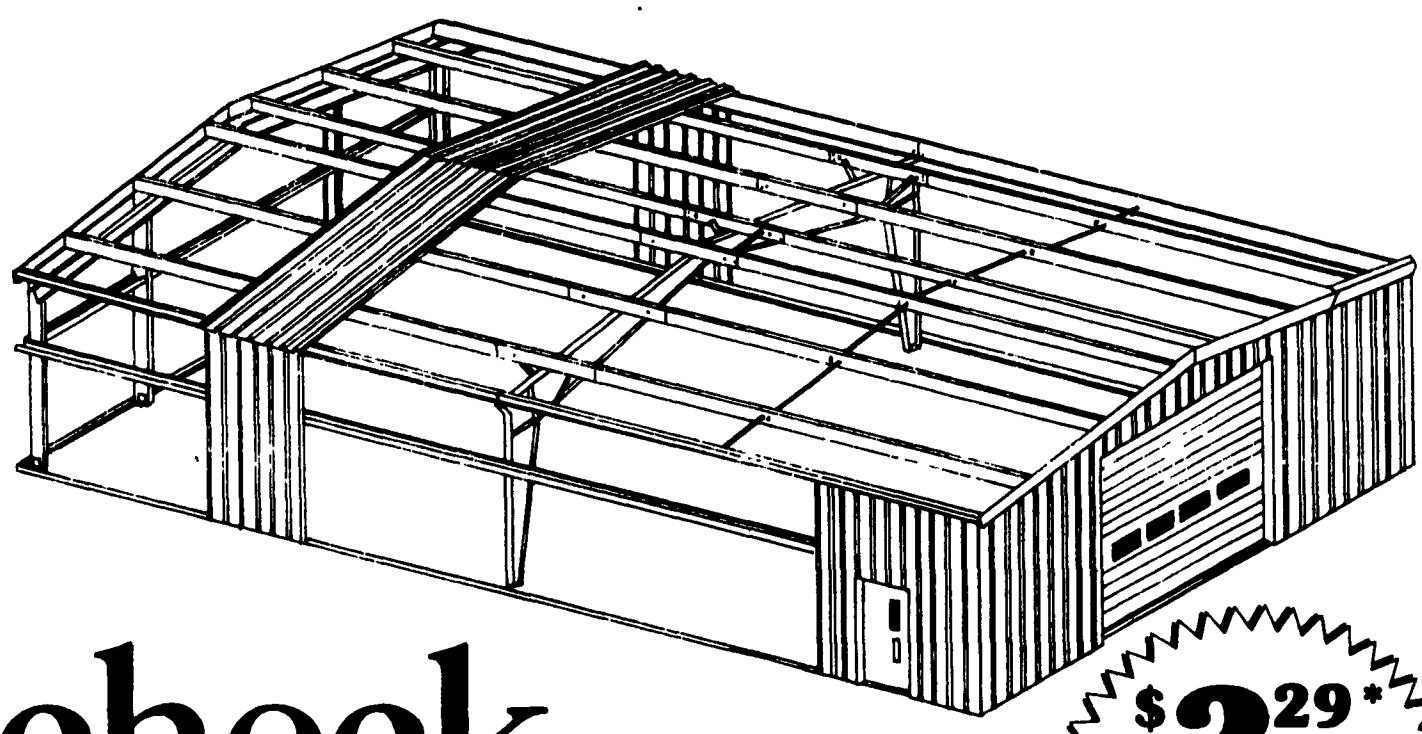

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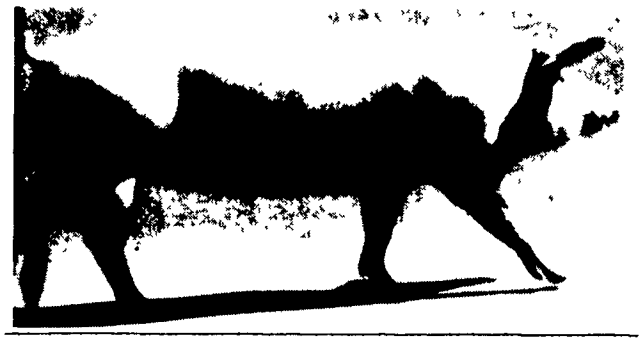

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## Belleville Livestock

**Belleville, Pa.**
**August 13, 1986**
**Report supplied by PDA**

CATTLE 85. Compared with last Wednesday's market: Slaughter cows .50-$2 higher. Couple Good slaughter steers 54.10- & 56.75, couple Standard 41.35 & 41.75. Breaking Utility and Commercial slaughter cows 36.75-39.25, one 40.00, Cutter and Boning Utility 34.00-37.50, Canner and Low Cutter 30.50-34.00, Shells down to 25.00. Few Yield Grade No. 1 860-1425 lbs. slaughter bulls 40.10-47.10.

CALVES 153. Few Choice vealers 66.00-69.00, few Good 50.00-55.00, Standard and Good 70-105 lbs. 41.00-46.00. FARM CALVES: Holstein bulls 90-130 lbs. 45.00-91.00, mostly 65.00-85.00.

HOGS 48. US No. 1-2 210-230 lbs. barrows and gilts 64.00-64.75, two lots No. 2-3 210-260 lbs. 63.00 & 63.85. US No. 1-3 385-475 lbs. sows 54.50-55.50. Few Boars 37.25-39.00.

FEEDER PIGS 260. US No. 1-3 20-35 lbs. feeder pigs 31.50-41.00, 35-50 lbs. 40.00-50.00, 60-80 lbs. 52.50-63.00.

SHEEP 51. Choice 30-100 lbs. slaughter lambs 59.00-74.00, Good 30-100 lbs. 51.00-66.00. Slaughter ewes 20.00-29.00.

GOATS 11. Large 22.00-39.00 per head. Holstein Dairy Cows $510.00-$920.00 per head.

## Jersey Shore Livestock Market, Inc.

**Auction every Thursday**
**Aug. 14, 1986**
**Jersey Shore, Pa.**
**Report supplied by Auction**

Return to Farm Calves 55.00-89.00.
Good Veal 45.00-61.00.
Common Veal 32.00-44.00.
Choice Steers 61.00-65.50.
Good Steers 54.00-60.00.
Common Steers 40.00-53.00.
Commercial Cows 35.00-44.00.
Canners-Cutters 33.00-37.00.
Shells 25.00-32.00.
Choice Heifers 54.00-60.00.
Good Heifers 50.00-55.00.
Common Heifers 40.00-49.00.
Heifer Feeders 50.00-55.00.
Common Feeders 35.00-49.00.
Bulls 40.00-50.00.
Good Hogs 64.50-65.25.
Heavies 55.00-61.00.
Sows 42.00-44.00.
Lambs 59.00-65.00.
Eggs $.45-$.68/doz.

## North Jersey Livestock

**Hackettstown, NJ**
**Tuesday, Aug. 12**
**Report supplied by auction**

Calves- 15.00-85.00.
Cows 15.00-43.50.
Easy Cows 5.00-43.25.
Heifers 39.00-47.50.
Bulls 38.00-52.75.
Steers 38.75-54.25.
Hogs 44.00-60.00.
Roasting Pigs, each 6.00-27.00.
Boars 37.00-39.00.
Sows 38.00-43.00.
Sheep 15.00-79.00.
Lambs, each 15.00-52.00.
Lambs, per lb. .45-1.11.
Goats, each 36.00-91.00.
Kids, each 15.00-40.00.
Total 1361.

## New Holland Horses

**New Holland Sales Stables**
**New Holland, PA**
**Monday, Aug. 11, 1986**
**Report supplied by auction**

Registered receipts of 268 head of horses, mules and ponies.
Market: lower.
Local
Better Horses 570.00-730.00.
Driving Horses 275.00-550.00.
Riding Horses 225.00-500.00.
Lightweight Killers 150.00-275.00.
Heavyweight Killers 300.00-400.00.
Mare Ponies 30.00-65.00.
Colts 10.00-25.00.
Gelding Ponies 30.00-65.00.
Larger Ponies 125.00-220.00.

## Chambersburg Livestock

**Chambersburg, Pa.**
**Thursday, August 14**
**Report supplied by PDA**

CATTLE: 250. Sl. cows .75-1.50 lower; few Choice 1100-1250 lb. sl. steers 56.75-61.60; Good 48.00-56.75; few Standard slaughter heifers 42.00-45.25; Breakint Utility & Commercial sl. cows 37.00-40.00, few to 41.25; Cutter & Boning Utility 35.00-38.75; Canner & Low Cutter 31.75-35.50; shells down to 30.00; few YG No. 1, 1300-1900 lb. sl. bulls 45.25-50.10.

FEEDER CATTLE: Steers few Med. Frame No. 1, 450-550 lb. 50.00-53.00.

CALVES: 445. Few Choice vealers 75.00-76.50; Good 50.00-65.00; Standard & Good 75-110 lb. 40.00-47.50; Utility 45-75 lb. 21.00-40.00.

FARM CALVES: Holstein bulls 90-135 lb. 45.00-88.00, mostly 65.00-85.00; few holstein heifers 90-140 lb. 48.00-68.00.

HOGS: 21. Few lots No. 2-3, 220-240 lb. barrows & gilts 61.00-61.85; lot No. 3-4, 270 lb. 55.00; few No. 1-3, 390-640 lb. sows 47.00-51.50; 2 boars 36.25 and 40.25.

FEEDER PIGS: 3. Not enough for market test.

SHEEP: 21. Choice 95-110 lb. sl. lambs 59.00-61.50; lot Good 75 lb. 56.00.

GOATS: 1. No market test.


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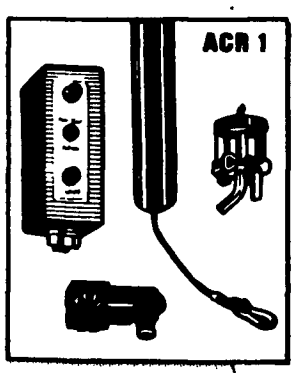


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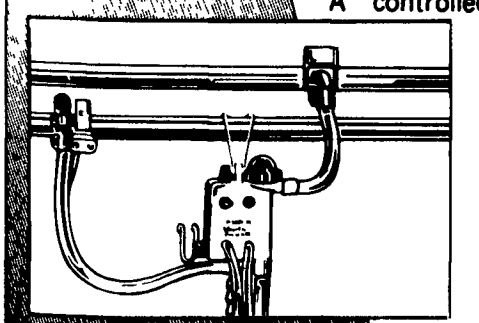

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# Think Safety When Harvesting Forage

NEWARK, Del. — The hum of forage harvesters chopping the '86 crop has already begun on Delmarva. "Keeping knives sharp and adjusting the shear bar is the key to harvesting silage efficiently," says University of Delaware extension agricultural engineer Tom Williams. "And keeping hands and feet out of moving machinery is the key to harvesting safely."

Williams recommends sharpening the knives at least once a day – more if the forage is extremely dry. "Every time you sharpen the knives, adjust the shear bar to the minimum recommended clearance," he says. "Doing this can cut fuel costs by up to 30 percent. When the center of the bar wears beyond the clearance limits, reverse it to expose a new edge, or replace it with a new bar. Tungsten-coated ones wear more slowly than other types."

Since the time spent sharpening and adjusting shear bars is made up for in improved cutting and lower fuel consumption, it pays to notice when the load on the engine seems to be increasing. That means it's probably time to resharpen. Hydraulic or electric knife grinders and simplified shear bar adjustments make it easier to keep cutters in top shape.

"When sharpening, it isn't necessary to remove every nick and dent, but it is important to grind the entire length of the knife," Williams says. "Grinders that can't sharpen the ends make minimum clearance adjustments impossible in the center of the knives."

The length of the cut also affects fuel and power requirements. Going from a half-inch cut to a quarter-inch cut will increase power requirements by as much as one-third. "But energy isn't the only factor to consider when choosing cutting length," the engineer says. "Also consider storage quality in the silo, the limitations of your handling equipment, and the effect on livestock feed intake and production."

Forage containing 65 percent or more moisture can be cut a half-inch long and still store well. Sixty-percent or less moisture in silage needs finer chopping to pack well. Also, silo capacity and handling capacity are reduced when silage is cut longer. Under most conditions, Williams says, quarter- to half-inch cuts produce excellent silage or haylage at a reasonable energy cost, but chopping finer than that is undesirable.

The engineer also stresses the need to take proper safety measures, particularly when sharpening knives. "Wear eye protection – especially if you have to remove any shields. Keep your hands, arms and head away from the opening, and don't let anything fall into the knives," he warns.

Block the cylinder cutterhead when replacing or repairing knives, so the knives can't move unexpectedly. Because the knives are free-wheeling and continue to move after the power is shut off, it may be tempting to stick a broom handle or stick into the knives to bring them to a quick stop.

"Don't do it," warns Williams. "Your hands can be jerked into the knives, or chips of wood can be thrown back at you. Always let the knives come to a complete stop on their own.

## Weekly Summary

**Harrisburg, PA**
**Friday, August 15**
**Report supplied by PDA**
**15 Livestock Markets**

CATTLE: 6721. Compared with 6135 head last week, and 5864 head a year ago. Sl. steers mostly steady to 1.00 higher; some spots to 3.00 higher; sl. heifers, cows and bullocks steady to 1.00 higher; bulls mostly steady; High Choice & Prime No. 2-4 sl. steers 62.00-65.00; Choice 58.00-62.50; Good 55.00-59.25 with some down to 50.00; Standard 45.00-49.00; Choice sl. heifers 53.00-58.50; Good 48.00-54.50; Standard 42.00-48.00; Breaking Utility & Commercial sl. cows 36.00-40.00, few to 41.50; Cutter & Boning Utility 34.00-39.50; Canner & Low Cutter 30.00-35.50; shells down to 25.00; Choice sl. bullocks 52.00-54.85; Good 46.00-51.00; YG No. 1, 1000-2300 lb. sl. bulls 44.00-51.75; YG No. 2, 900-1600 lb. 40.00-46.00.

FEEDER CATTLE: Med. Frame No. 1, 400-800 lb. feeder steers 45.00-57.00, few to 64.00; Med. Frame No. 1, 300-800 lb. feeder heifers 45.00-55.00; Med. Frame No. 1, 400-800 lb. feeder bulls 46.00-58.00.

CALVES: 3968. Compared with 4003 head last week and 4382 head a year ago. Vealers uneven, mostly steady to 2.00 lower; few Prime vealers 76.00-90.00; Choice 65.00-78.00; Good 50.00-65.00; Standard & Good 110-130 lb. 45.00-55.00; 90-110 lb. 40.00-47.50; 65-85 lb. 34.00-43.50; Utility 50-100 lb. 25.00-38.00, few down to 20.00.

FARM CALVES: Holstein bulls 90-130 lb. 45.00-91.00, mostly 58.00-85.00; holstein heifers 90-125 lb. 48.00-57.00; few beef cross bulls and heifers 50-110 lb. 45.00-65.00.

HOGS: 4511. Compared with 4904 head last week and 5754 head a year ago. Barrows & gilts 1.00-2.00 higher; US No. 1-2, 210-245 lb. 64.00-65.75; No. 1-3, 215-250 lb. 62.00-64.00; No. 2-3, 220-265 lb. 60.00-63.00; No. 2-4, 230-285 lb. 57.00-60.00; No. 1-3, 140-210 lb. 51.00-57.00; sows uneven; No. 1-3, 300-650 lb. 48.00-53.50, few to 55.50; No. 2-3, 300-700 lb. 44.00-51.00; boars 38.00-47.00.

FEEDER PIGS: 1194. Compared with 969 head last week and 954 head a year ago. 3.00-5.00 higher; US No. 1-3, 20-35 lb. 31.00-41.00, few down to 20.00; 35-50 lb. 40.00-50.00; 50-75 lb. 50.00-63.00 per head.

SHEEP: 1306. Compared with 1407 head last week and 1100 head a year ago. Spring sl. lambs steady to 4.00 higher; High Choice & Prime 50-100 lb. 65.00-88.00; Choice 60-110 lb. 59.00-75.00 with a few to 84.00; Good 50-100 lb. 50.00-66.00; Good & Choice 40-85 lb. feeder lambs 50.00-76.00 with some to 100.00; sl. sheep 15.00-29.00, some to 52.00.

2 GRADED FEEDER PIG SALES: 2224. Compared with 2050 head last week and 2776 head a year ago. Feeder pigs highly unvenen, instances 12.00 higher to 25.00 lower; US No. 1-2, 20-30 lb. 120.00-147.50; 30-40 lb. 118.00-145.00; 40-50 lb. 107.00-140.00; 50-60 lb. 100.00-114.00; 60-90 lb. 70.00-111.00; No. 2-3, 30-40 lb. 120.00-140.00; 40-50 lb. 74.00-110.00.

# Forage Tent Activities Announced

This year at Ag Progress Days events at the Forage Tent include:

- Pennsylvania Hay Show– up to 30 classes of hay will be judged on Tuesday, August 19. Samples should be brought in before 10:00 a.m. on that day. If you would like to participate, contact your county agent for entry forms, rules and regulations.
- NIR Van – the van will be available to run analysis on any farmers samples that are brought in. Also, we will have the complete program available for balancing rations.
- Living weed and forage plan display – examples of many weeds will be on display. You can also see a living display of common forage plants. Penn State experts will be on hand to answer your questions.

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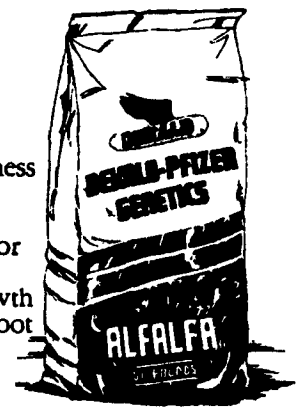


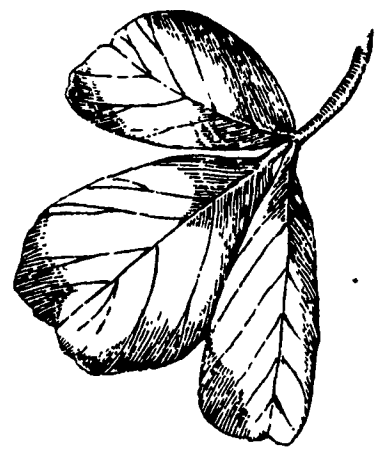

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# Scranton Names Ag Committee

(Continued from Page A1)

Lebanon, Lebanon County chairman; Dr. Alfred Bortree, State College; Dr. William Bucher, Kennett Square; Charles Bupp, Harmony, Butler County chairman; Daniel Cook, Riegelsville; Ronald Kopp, Middletown, Dauphin County chairman; John Cope, Grantham, Cumberland County chairman; John W. Early, Hummelstown; Dr. John Enck, Carlisle; Dr. Robert Flowers, New Cumberland; Amos Funk, Millersville, Lancaster County chairman; D. Eugene Gayman, Chambersburg; George Gregg, Grove City, Mercer County chairman; Dennis Grumbine, Myerstown; Walter N. Heine, Newville; Scott Hummel, Sunbury, Northumberland County chairman; Thomas Imswiler, Harrisburg; Dr. Colin, Johnstone, Kennett Square; Robert H. Jones, Bath, Northampton County chairman; Ron Kerr, Grove City, Crawford County chairman; John Kimbark, Manheim; Willard Kimmel, Shelocta, Indiana County chairman; Milford Kinsman, Troy, Bradford County chairman; Ernest Miller, Hamburg, Berks County chairman; Bill Moore, Chatham, Chester County chairman; Dr. Nadine Oakley, Shippensburg; Ivo Otto, Jr., Carlisle; Rich Pallman, Clarks Summit, Lackawanna County chairman; Dalton E. Paul, Chambersburg; Sterling Raber, Orefield, Lehigh County chairman; Dr. Charles Raker, Media; Margaret Ritter, Camp Hill; Carolyn Rutter, Dover, York County chairman; Harold M. Shaulis, Jr., Somerset, Somerset County chairman; Dr. John Simms, Shippensburg; Dick Solly, Ivyland, Bucks County chairman; John Stoner, Mercersburg, Franklin County chairman; Cliff Tinklepaugh, Thompson, Susquehanna County chairman; Horace Waybright, Gettysburg, Adams County chairman; Robert Williams, Camp Hill; C. Eugene Wingert, St. Thomas; Jerry Yoder, New Enterprise, Bedford County chairman; and Dr. Vernon Yingling, State College.

"Our agricultural community and state government should work together to assure that our products continue to hold center stage," Scranton added. "By working with the Export-Import Bank to develop international markets and by developing long-term produce contracts with major supermarket chains in this state, we can work to displace imports and assure the continued vitality of our agricultural community."

"I welcome the support of the 'Agriculture for Scranton/Fisher Committee' and look forward to having their support as we build a coalition for victory across this Commonwealth."

Scranton, 39, is the only Pennsylvania public official to be honored by the National Wildlife Federation for his efforts on behalf of wildlife conservation and clean up of the Chesapeake Bay. Under this unique effort, Pennsylvania has joined with surrounding states to institute voluntary programs which help to better manage watershed areas in an effort to reduce potentially harmful drainage, particularly on agricultural lands. These activities, in addition to improving water quality, also help farmers to preserve soil and nutrients.

Dennis Grumbine, state chairman Ag Committee for Scranton.


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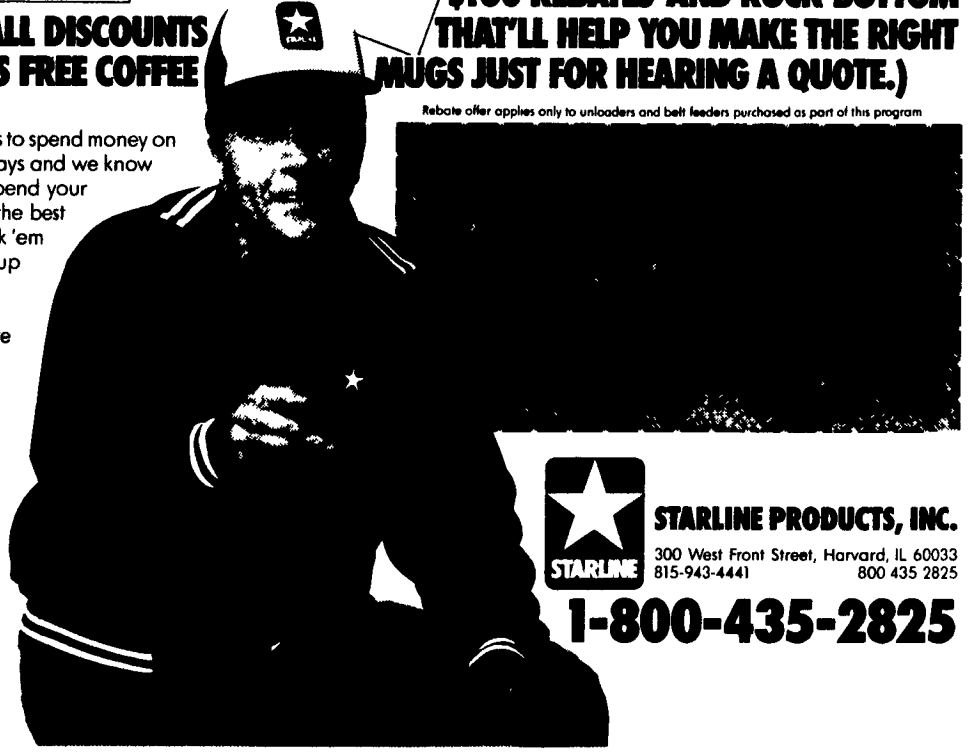

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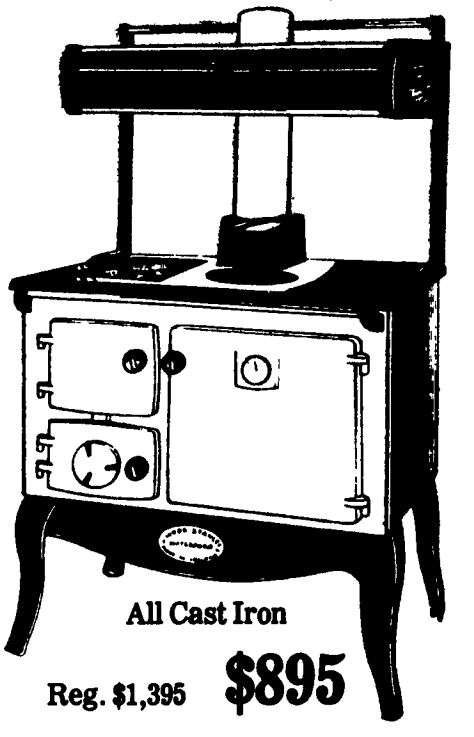

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# Burdette Reaps South-Central Championship Honors

BY JOYCE BUPP
York County Correspondent

CARLISLE — Numbers were up and the quality impressive at the South-Central Championship Holstein Show, held Monday at the Carlisle Fairgrounds.

"It was one of the best district shows I've ever seen," commented judge Dennis Patrick, Kempton, who praised both the high quality of the 150 head entered as well as the show's well-run organization.

Big winners of the day were the Jim and Nina Burdette family, Mercersburg, and Elizabethtown youth exhibitor Tom McCauley.

Parading a string of 10 strong, high-placing homebreds, the Burdettes snagged the coveted Best Bred and Owned trophy, and garnered enough class points to earn both the Premier Breeder and Exhibitor banners.

Their Windy Knoll View Justa Wonder got the nod as best bred and owned, and reserve senior and grand of the show, after heading up a 3-year-old class showing quality clear to the other end of the lineup. Judge Patrick praised the MD-Sunset-View RA Wonder daughter for her spring of rib and openness, and complimented her on "how she tracks."

Accepting their first-ever pair of purple premier banners capped a day of highlights for the Burdette family, who also took firsts in the summer yearling, junior yearling, and the dam-daughter classes. Sweetening the victory was the fact that Monday was Nina Burdette's birthday, Sunday was their anniversary, and both flowers and balloons for Nina from her husband came by delivery to the show barn to complement their herd display.

Originally starting in the dairy business on their own at Mercersburg in 1974, with a herd of primarily Ayrshires, the Burdettes have been part of the local and state showring scene for about eight years. Their Windy Knoll milking string of 62 head has a herd average of 18,500 milk and 690 fat, with a classification BAA of 105.8.

Tom McCauley claimed the grand champion honors in both the open class and the youth division shows, at the halter of his ribby, deep-bodied, five-year Queen Star Sexy. The Sexation daughter is well-known on the Holstein tanbark circuit and has earned the Elizabethtown youth a roomful of trophies, including several championships.

He made a clean sweep of the youth division championship, also claiming the reserve champion rosette with his 3-year-old, Metcalfs Valiant Beauty.

New Cumberland youth showman C. E. Hubbard III took both open and youth division junior championship with his winning senior yearling, C. Philipail Warden Sterling. Since her debut this year on the state show circuit, the Hilltopper Elevation Warden has snagged five junior championships and a reserve, including topping the youth division heifer classes of the state Spring Holstein Show.

Taking the reserve junior champion placing in the open class was Lockway Rosette, the first intermediate yearling by Willmont Glenndell Plato-ET.

She was bred and exhibited by C. Richard and Georgianna Locke, Lockway Farms, and part of a powerful heifer trio that earned the Mercersburg farm the best three junior female award.

In the youth division, Chambersburg 4-H'er Beverly Myers took the reserve junior championship with her homebred intermediate heifer, Aldina Magic Gigi, by Romandale Magic.

A homebred Valiant son walked off with the top spot in the bull classes. Le-Ida Valiant Mr. Nate was bred and exhibited by Cindy Showaker Fisher, Mt. Joy, and is housed at her family's Shoacres Farm at Newville.

No stranger either to Holstein tanbark circles, the senior yearling bull was All-Pennsylvania bull calf for 1985, and took the reserve bull honors at the 1986 Spring state show. He's from an EX-92 Elevation dam, with over 1,000 pounds fat, and his first calves are due on the ground in September.

In a powerful Best Three Females class, Justa-Beauty Holsteins, Creedin and Steve Cornman, claimed the first place, over the trio from the Burdettes' Windy Knoll string.

Brazilian visitors were among the special guests ringside at the Carlisle show. Gilberto and Maria Helena Meirelles are part of a heifer-purchasing team spending a few weeks in Pennsylvania, and working through the Pennsylvania Holstein Association to put together a shipment of top-quality young stock.

Keeping last minute details pulled together ringside were the show chairmen, Mark and Gretchen Naugle. Local dairy princesses on hand to make awards included Jenny Weimer, Adams County, Sherry Greegor, Cumberland County, and Fran Palm, Perry County.

The Carlisle show is one of the five regional Holstein shows in the state, culminating in the annual Fall Championship show. This year's fall show on September 4 will be the first major dairy show held in the new Ag Arena facilities recently completed at Penn State University. According to Ken Raney, membership director with the Pennsylvania Holstein Association, both washing and milking facilities are available at

(Turn to Page A22)

PREMIER EXHIBITOR 1986 SOUTH CENTRAL PENNA. CHAMPIONSHIP SHOW
PREMIER BREEDER 1986 SOUTH CENTRAL PENNA. CHAMPIONSHIP SHOW

Monday was a "banner day" for Jim and Nina Burdette, sons Justin, 7, and Kyle 4, and their homebred 3-year-old named Best Bred and Owned and reserve senior and grand.

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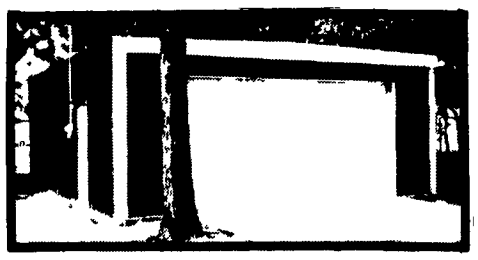
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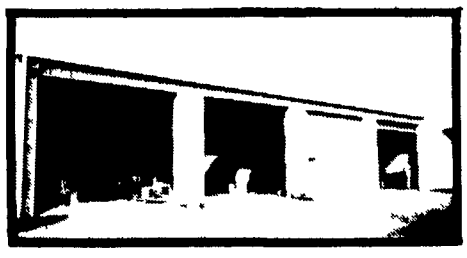
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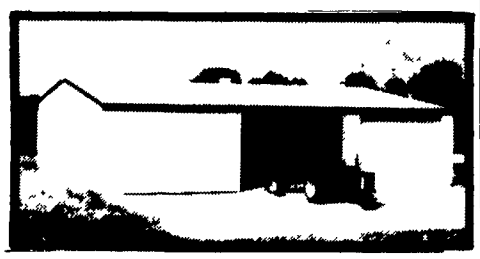
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hampionship Shows

# Dry Cow Wears Eastern Holstein Championship Crown

BY ROBIN PHILLIPS
Berks Co. Correspondent

KUTZTOWN — "You have an excellent show out here today," stated Norman Hill as he was judging the Eastern Pennsylvania Championship Holstein Show in Kutztown last Saturday. Although the number of entries were down from previous years, the beautiful sunny day featured some of the finest cattle of the Holstein breed.

For the fourth consecutive year, the grand championship was captured by Rothrock Golden Holsteins, Kempton. Their entry, Yarrabee Simon Elissa, a dry 2 year old, is due in one week to Walk Chief Mark. Sired by Harmony Corners Simon, the stylish young cow boasts a first record of 20,690 pounds of milk with a 4.0 percent test and 833 pounds of fat in 353 days at 1 year and 9 months of age.

She was named All-Iowa Junior 2 Year Old in 1985 and is currently scored VG-87. Her dam, Yarrabee Starcraft Ellie has a 4-year-old record of 22,130 milk, 4.2 percent test and 919 fat in 365 days. The champion was bred by Maynard Lang and sons.

Rothrock's Golden Holstein Farm also went home with the junior championship rosettes. Their intermediate yearling entry, Walk-Up Valiant Lou-Anna-ET, caught the judge's eye for this championship spot. Sired by S-W-D Valiant, the junior champion boasts an Excellent, 3E-94, All-American dam with records over 24,500 milk and 4.2 percent test. She also has a full sister scored EX-92 with records over 33,400 milk and a 4.6 percent test. She was bred by Teresa Myers.

The reserve grand champion spot went to the 4-year-old entry of Keystone Farm. Bred by W. Donald Seipt, Keystone Pete Dot-ET was also named best udder in her class.

The reserve junior champion of the Open Show went to the entry of Scott Troutman, Reu-Hel Farms, Mohrsville. His senior heifer, Reu-Hel Farms Starwars Queenie, is sired by Hardy's Starwars. In the youth division, Troutman's entry was junior champion.

After a break of a few years, the Donald Hostetter family of Maplebound Farm, Parksburg, came back to capture both the premier breeder and premier exhibitor banners of the show. Veteran exhibitors at this show, Hostetter stated that his family was usually able to win one or the other banners. After missing them last year, the family was honored when their homebred entries captured the premier banners once again.

Maplebound Ultimate Dove, Hostetter's fancy 6-year-old cow led the farm's way to the banners with the winning of the best bred and owned title. Sired by Quality Ultimate, the aged cow was also named best udder in her class.

In the youth Division of the show, Duane Stoltzfus, Morgantown, and his 5-year-old entry, Pennwood Earl Sophia were named the grand champions. Reserve grand went to Cathleen Ohlinger, Mohrsville, Reu-Hel Farms, with her 3 year old, Reu-Hel Farms Mars Bailey. Scott Troutman, Mohrsville, took the junior championship and Patricia Miller, Nazareth, was named reserve junior champion with her senior yearling, Maplegrove Valiant Shirley.

According to Bill Nichols of the Pennsylvania Holstein Association, the championship show provided a perfect setting for a Brazilian delegation attending the festivities in Kutztown this past week. Looking for premier Holsteins, the delegation hopes to purchase a total of 500 head with 400 already selected. "They're looking for triple plus sires, dams with 18,000 plus, and Very Good to Excellent dams," Nichols related. The Eastern Pennsylvania Championship Show provided Pennsylvania breeders the best opportunity to show their finest to the delegation.

Show placings are as follows:

**EASTERN CHAMPION HOLSTEIN SHOW**

**Junior Bull Calf**
1 Harry Thompson 2 Kerchenhill Holsteins
**Senior Bull Calf**
1 Norman Kline 2 Harvey Stoltzfus
**Yearling Bull**
Constance Troutman
**Grand Champion Bull**
Reu Hel Farms
Constance Troutman
**Reserve Grand Champion Bull**
Harry Thompson
**Junior Heifer Calf**
1 Amy Richard 2 Maple Grove Farm 3 Daryl Balmer
**Intermediate Heifer Calf**
1 Keytone Farm 2 Kerchenhill Holstein 3 Craig H Walton
**Senior Heifer Calf**
1 Scott Troutman 2 Terry Slack 3 Rebecca Sonnen
**Summer Yearling**
1 Dale Hostetter 2 Susan Weaver 3 Dale Hostetter
**Junior Yearling Heifer**
1 Gary Deck Jr 2 Scott Troutman 3 Gerald J Dabbs
**Intermediate Yearling**
1 Rothrock Golden Holsteins 2 Delaware Valley College, 3 Vista Grande Farm
**Senior Yearling Heifer**
1 Patricia Miller 2 Brian Richard 3 Stephanie Wagner
**Junior Champion Female**
Open Rothrock Holsteins
Junior Scott Troutman
**Reserve Jr Champion Female**
Open Scott Troutman
Junior Patricia Miller
**Junior Best Three Females**
1 Maple Grove Farm 2 Glen Moore Farm
**Jr 2 Year Old**
1 Adam Sonnen 2 Maple Grove Farm 3 Scott Troutman
**Sr 2 Year Old**
1 Donald Hostetter 2 Patricia Miller 3 Rothrock Holsteins
**3-Year-Old cow**
1 Keystone Farm 2 Cathleen Ohlinger 3 Harvey Stoltzfus
**4-Year-Old Cow**
1 Keystone Farm 2 Patricia Miller 3 Rocky Side Farm
**4-Year-Old Dry Cow**
1 Rothrock Holsteins 2 Stacey Meyers 3 Donald Hostetter
**5-Year-Old Cow**
1 Duane Stoltzfus 2 Rocky Side Farm 3 David Vail
**5-Year-Old Dry Cow**
1 Donald Hostetter 2 Sharon Kline 3 Donald Hostetter
**100,000 Pound Class**
1 Rocky Side Farm 2 Donald Hostetter 3 Donald Stoltzfus
**Aged Cow**
1 Donald Hostetter 2 Keystone Farm 3 Rothrock Holsteins
**Best Bred and Owned**
1 Donald Hostetter
**Senior and Grand Champion Female**
Open Rothrock Golden Holsteins
Junior Duane Stoltzfus
**Reserve Sr and Grand Champion Female**
Open Keystone Farm
Junior Cathleen Ohlinger
**Produce of Dam**
1 Maple Grove Farm 2 Rocky Side Farm 3 Maplebound Farm
**Dam and Daughter**
1 Maplebound Farm 2 Sonnen Springs
**Best Three Females**
1 Keystone Farm 2 Maplebound Farm 3 Maple Grove Farm
**Premier Breeder**
Maplebound Farm
**Premier Exhibitor**
Maplebound Farm

Premier breeder and exhibitor banners went to the Donald Hostetter Family, from left, Missy, Dorcas, Kim, Donald and Sue.


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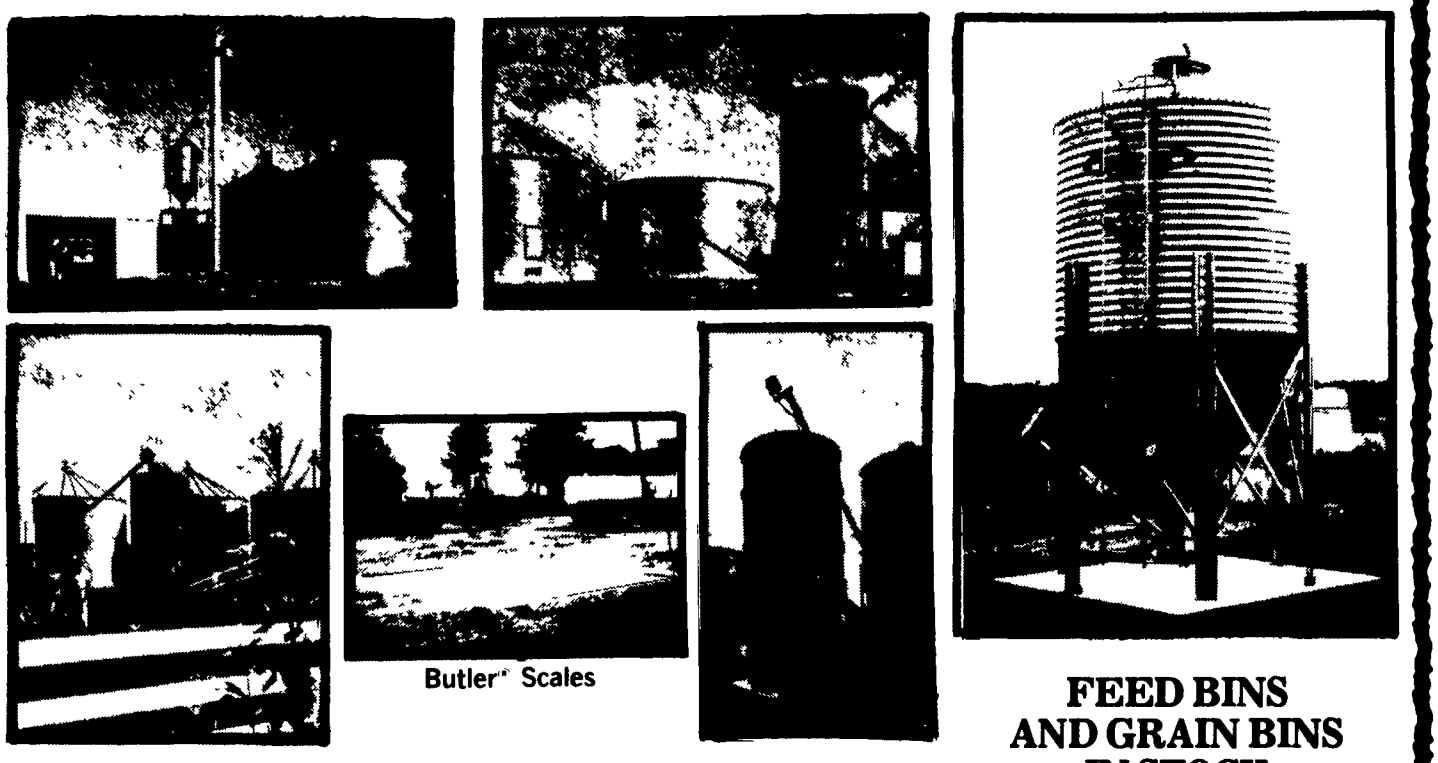

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# South-Central Show

(Continued from Page A20)

the Ag Arena to adequately handle the anticipated lineup of entries.

Entries for the Holstein Championship Show are due to the Pennsylvania Holstein Association by August 20.

**SOUTH-CENTRAL CHAMPIONSHIP HOLSTEIN SHOW**

**Junior Bull Calf**
1 Henry Miller

**Senior Bull Calf**
1 John Bomgardner, 2 Henry Miller

**Junior Yearling Bull**
1 Russel Miller

**Senior Yearling Bull**
1 Cindy Showaker Fisher, 2 Kirk Hillegass

**Champion Bull**
Cindy Showaker Fisher

**Reserve Champion Bull**
Kirk Hillegass

**Junior Heifer Calf**
Open — 1 Penn Gate Farm, 2 Melissa Bupp, 3 James and Nina Burdette
Jr — 1 Melissa Bupp, 2 Thomas Eckstine

**Intermediate Heifer Calf**
Open — 1 Beverly Myers, 2 C Richard and Georgianna Locke, 3 John Bomgardner
Jr — 1 Beverly Myers, 2 Julie Ann Dyarman

**Senior Heifer Calf**
Open — 1 Paul and Sharon Fox, 2 Aldina Holsteins, 3 Penn Gate Farm
Jr — 1 Aldina Holsteins, 2 Downa Doll

**Summer Yearling Heifer**
Open — 1 James and Nina Burdette, 2 Paul Dyarman Sr, 3 Dale Hostetter
Jr — 1 Thomas Barley, 2 Jamie Hartman

**Junior Yearling Heifer**
Open — 1 James and Nina Burdette, 2 Jennifer Reasner, 3 Angela Lang
Jr — Jennifer Reasner, 2 Angela Lang

**Intermediate Yearling Heifer**
Open — 1 C Richard and Georgianna Locke, 2 C Richard and Georgianna Locke, 3 Bridgette Boyer
Jr — 1 Bridgette Boyer

**Senior Yearling Heifer**
Open — 1 C E Hubbard III, 2 Penn Gate Farm, 3 Richard Bupp
Jr — C E Hubbard III, 2 Richard Bupp

**Junior Champion**
Open — C E Hubbard
Jr. — C. E Hubbard

**Reserve Junior Champion**
Open — C Richard and Georgianna Locke
Jr — Beverly Myers

**Junior Best Three Females**
1 Lockway Farms, 2 James and Nina Burdette, 3 Penn Gate Farm

**4 Years and Under Dry Cow**
Open — 1 Penn Gate Farm, 2 Bridgette Boyer, 3 Thomas Boyer
Jr — 1 Bridgette Boyer, 2 Downa Doll

**5 Years and Over Dry Cow**
Open — 1 C E Hubbard III, 2 James and Nina Burdette, 3 Thomas III and Shayne Dum
Jr — 1 C E Hubbard III

**Jr. 2-Year-Old Cow**
Open — 1 Joseph DeLong, 2 James and Nina Burdette, 3 Aldina Holsteins
Jr — 1 Joseph DeLong, 2 Downa Doll

**Sr. 2-Year-Old Cow**
Open — 1 Rodman Thompson, 2 C Richard and H Wayne Locke, 3 Creedin Cornman
Jr — 1 Karen Marteeny, 2 Brian Reichard

**3-Year-Old Cow**
Open — 1 James and Nina Burdette, 2 Thomas McCauley, 3 C Richard and Georgianna Locke
Jr — 1 Thomas McCauley, 2 Irene Benner

**4-Year-Old Cow**
Open — 1 Robert and Rhodena, 2 Penn Gate Farm, 3 Sinking Springs Farm
Jr — 1 Irene Benner

**5-Year-Old Cow**
Open — 1 Thomas McCauley, 2 Penn Gate Farm, 3 Coredale Holsteins
Jr — 1 Thomas McCauley, 2 Dave Masland III

**100,000 Pound Class**
Open — 1 Francis Cornman, 2 Thomas III and Shayne Dum, 3 Thomas III and Shayne Dum

**6-Year-Old Cow**
Open — 1 Creedin Cornman, 2 Michelle Cornman, 3 Steven Cornman
Jr — 1 Michelle Cornman, 2 Diane Lang

**Senior and Grand Champion**
Open — Thomas McCauley
Jr — Thomas McCauley

**Reserve Senior and Grand Champion**
Open — James and Nina Burdette
Jr — Thomas McCauley

**Best Bred and Owned by Exhibitor**
James and Nina Burdette

**Premier Breeder**
James and Nina Burdette

**Premier Exhibitor**
James and Nina Burdette

**Best Three Sr. Females**
1 Justa-Beauty Holsteins, 2 James and Nina Burdette, 3 Irene Benner

**Produce of Dam**
1 Thomas McCauley, 2 Dumbelle Farms, 3 Irene Benner

**Dam and Daughter**
1 James and Nina Burdette, 2 Justa-Beauty Holsteins, 3 Frances Cornman


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SAT., AUG. 23 - 8 P.M.
SUN., AUG. 24 - 2 P.M.

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| Cowgirls Barrel Race | Cowgirls Breakaway Roping |

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Sept. 5,6,7 . . . . . 12th Annual Bluegrass Festival



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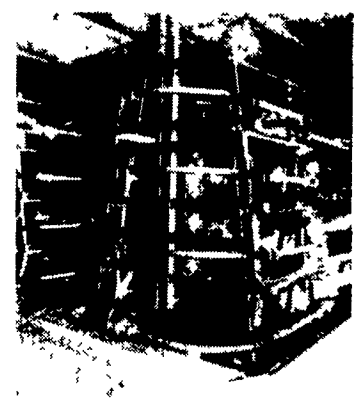

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| Quan. | | (Please Mark Size) BU MF | BU MR | Plate-less |
|---|---|---|---|---|
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| ___ M-C SX560 | 100 to 105 days | 60.00 | 58.00 | 57.00 |
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|---|---|---|---|---|
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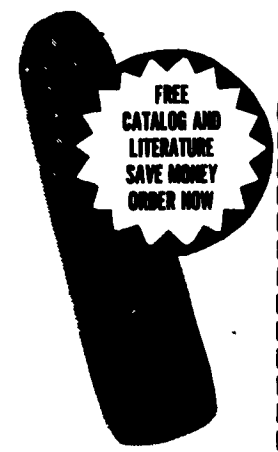
**MUNCY CHIEF FIELD DAYS**
**Sept. 25 & 26, 1986**

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# MUNCY CHIEF HYBRIDS INC.

**Muncy, Pennsylvania**

# Carolina Jersey Breeder Tells About Drought

(Continued from Page A1)

Harrises' 375 acre dairy farm is located in Iredale County, N.C., right in the heart of the worst drought to hit the south in a century.

The area has received almost 3" of rain in the past week and the ground is still soaking it up like a sponge. Local well drillers report a 5' drop in the underground water table. Local estimates are that it will take at least two years for those tables to be replenished.

With the rain the Harrises' hay fields have grown a green mask. It is as if they are trying to cover the scars inflicted on them by the nine month drought and scorching temperatures that have been in the 90's since March. Gene hopes to get one more cutting of hay off before plowing some of the most badly damaged stands under.

Their hay fields which normally yield the Harrises up to 12,000 bales annually, have produced only 3,500 bales this year. Gene added that they also baled their small grains for hay when they failed to form any grains in the heads. Bill Harris is making trips through Kentucky, Illinois, Indiana, and Ohio to try to procure the 5,000 bales of hay the brothers are sure they'll need to buy to hold them through till next spring.

In an effort to grow more forages, the Harrises recently seeded 24 acres with sorghum and sudan grass. Gene relates that such seedings in August are unheard of in this part of the country, but they're hoping with the new moisture in the ground, they may still get two cuttings off this before frost. By feeding this and wet brewers grain, the Harrises hope to extend their silage stores.

The Harrises have two trench silos which each hold 6,700 tons of silage. One has about a 6-8 week supply of old silage still in it. The others contain their entire corn crop, which yielded 5 tons to the acre. This trench is about 90 percent full. The new silage can't be feed for 6-8 weeks because of its high nitrate content caused by the dry weather.

Gene stresses that the drought has caused several management problems for them, radical changes in some people's feed programs, and even erratic growing patterns for even the trees. The Harrises fear that their herd may suffer reproductive problems for the next 12-24 months, so they are pushing extra minerals to the cows and balancing their rations more often.

Local farmers are feeding anything they can put through a baler. Gene reports that some farmers cut their 2" corn with a haybine and baled it into large round bales to feed like hay. The local auction which normally markets 1,500 of cattle a week is now selling 3,500-4,200 weekly. Gene's wife Barbara relates that she didn't harvest enough green beans from their large garden for even one meal. The trees have already begun to drop their leaves.

With the need so apparently great, how do the Harrises feel about the efforts of farmers elsewhere to donate and deliver hay to the south?

Stated Gene, "We're really appreciative of the generousity of other farmers to do this, but this thing has become a political ballgame with each governor and agriculture secretary trying to get the most publicity. Where will these people be after election day?"

"Iredale County has more dairy farms and beef farms than any other county in North Carolina and we haven't seen a bale of free hay yet. Besides, the restrictions say you can't have more than a 25 day supply of feed stored on your farm to qualify for any of this hay. If you have a dairy and not more feed than that, what good is 50 bales of hay going to do you?"

"The ones we've seen getting this hay should be left fall by the wayside. I know that sounds cruel, but you could feed them for 2-3 years and they still couldn't make it. They're just not good managers. The other people getting this hay are people with off the farm jobs who have made no effort to plan for winter feeding."

"If people want to donate fine, but they should have some idea of where it is going. It might be best to earmark donated money for transportation costs. What I'd like to see done is to have each farm's needs analyzed. If you're

(Turn to Page A25)

North Carolina dairyman Gene Harris views his 130 head Jersey milking string. Due to poor conception in the heat, the Harrises run a bull with the herd from June to September. They fear the reproduction of their herd may be damaged from the long drought.


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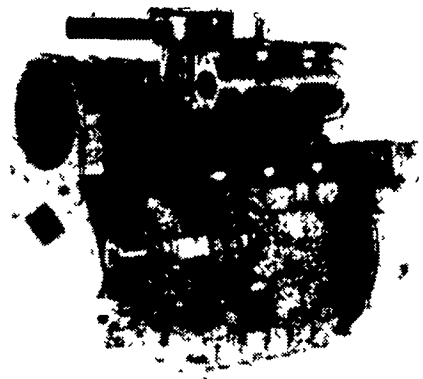

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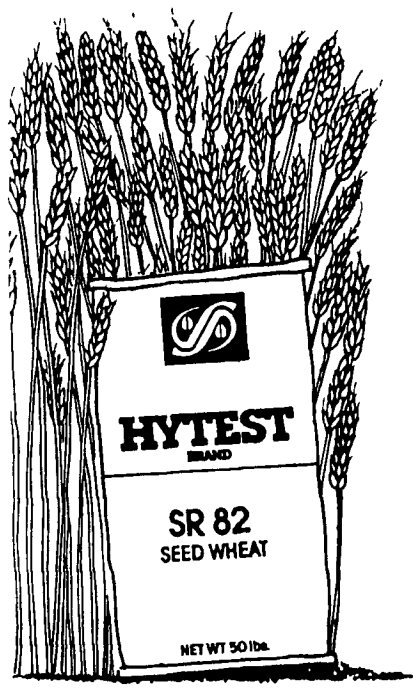


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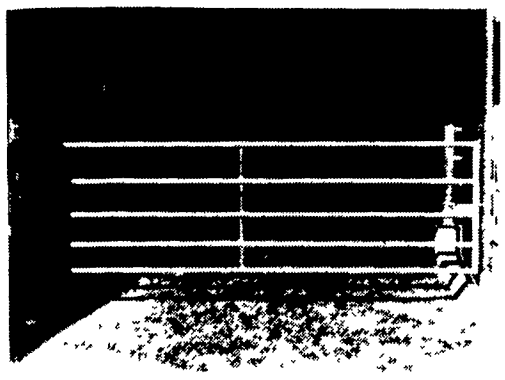

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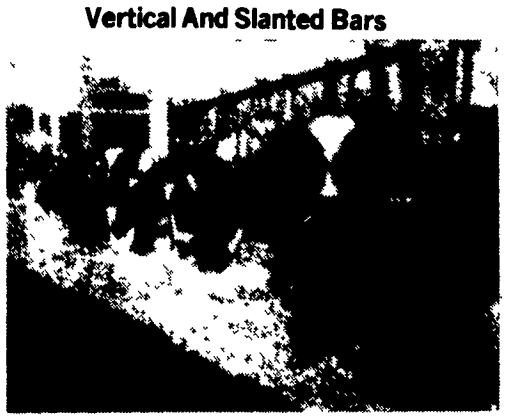

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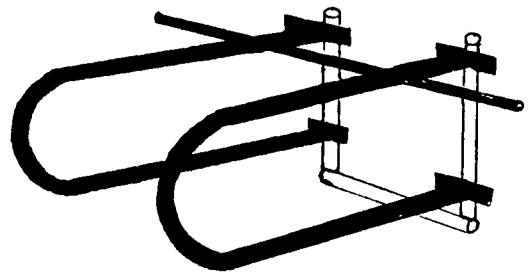

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# Carolina Jersey Breeder

(Continued from Page A24)

going to give the farmer any aid, give it to him in proportion to his needs."

How do the Harrises plan to weather this crisis? The farm has been in the family for five generations. Gene's son John and Bill's son David are the fourth generation to milk cows there. Gene describes the family as conservative managers and with some reserve funds they have saved, they hope to be able to keep themselves debt free. He also credits a strong milk market with a local supermarket chain as a bright spot in the picture. Despite the stress of heat and changes in the feed program, their cows are still averaging 41 pounds a day of 4.6% milk.

However, the prognosis is still grim. Harris states that they are just riding a bubble in regards to their equipment which has not been updated in recent years. And despite his strong milk market he still feels dairymen have hurt themselves in pricing their product. States Gene, "The price of our product is not set to absorb any extra burdens like this."

And what about next spring? Projects Harris, "Everything is riding on stored feed. By next spring, milk production will drop and feed prices will be even higher. Farmers have to do their best job of planning for their own needs as possible, because you can't count on the government. Who knows what the Government is doing from one day to the next?"

# *Theme Is "Water Quality"*

(Continued from Page A1)

water quality. APD visitors will be able to see the differences in water through microscopes.

• **Home Lawn Pollution**– Is runoff from fertilizer and other home lawn applications a problem? Should we be concerned?

Conservation Education tours will leave every 20 minutes from 10 a.m. to 3 p.m. daily.

Woodland management tours will leave every hour from 10 a.m. to 3 p.m. daily.

Soil and water conservation practices will be stressed on the tours of the conservation research area. Demonstrations will include various ways to reduce erosion and improve water quality.

**Other new conservation activities include:**

• The state mobile soil and nutrient testing van. The van will be located next to the conservation education tent. Visitors can see how the van is being used to promote better conservation practices.

• The conservation education tent will be devoted mainly to the impact of agricultural activities on the Chesapeake Bay. Exhibits will focus on the effect of various agricultural practices on water quality.

• Visitors can see cattle grazing on newly planted warm season grass plots. Visitors can also see how Penn State and Soil Conservation Service scientists and engineers are managing surface water around sinkholes.

• Woodland tour activities will be greatly increased this year, primarily to highlight the "Year of the Forest" programs. There will be harvesting and skidding demonstrations and a portable sawmill.

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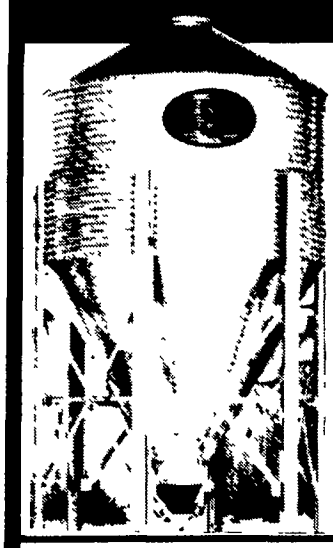

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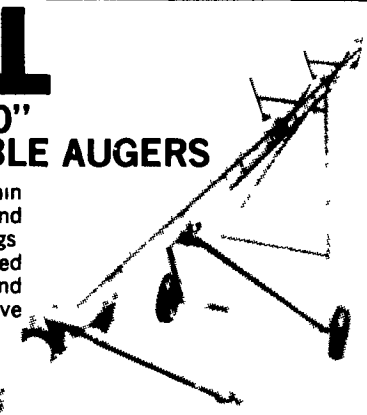

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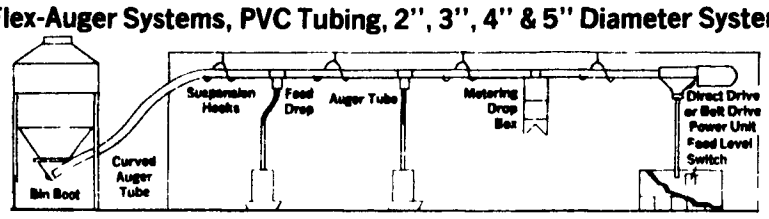


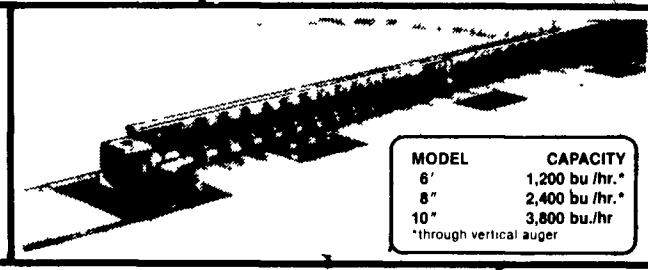

| MODEL | CAPACITY |
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| 8" | 2,400 bu /hr.* |
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*through vertical auger

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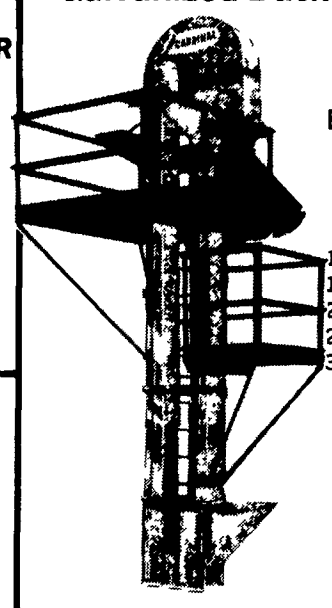

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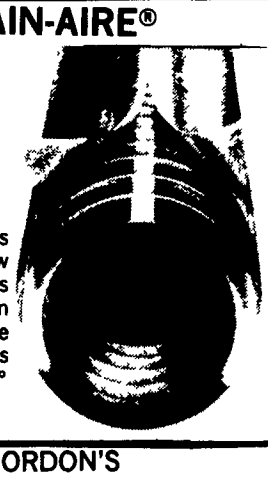

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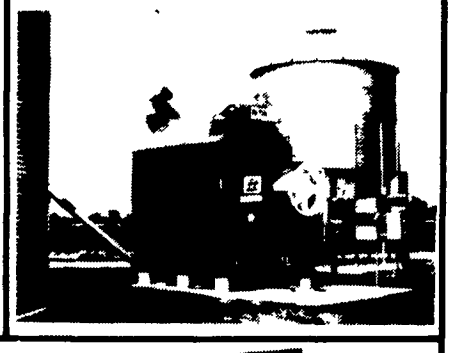

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|---|---|---|---|---|
| 9241062 | 6/1 Gal. | 46 | $13.60 gal. | $9.99 |

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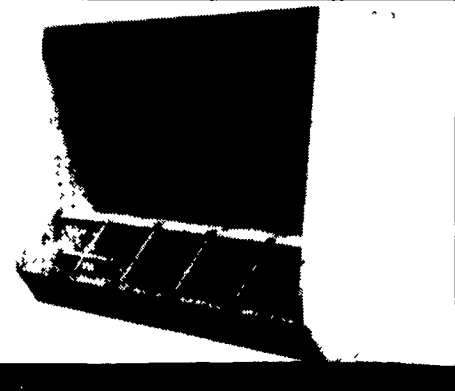

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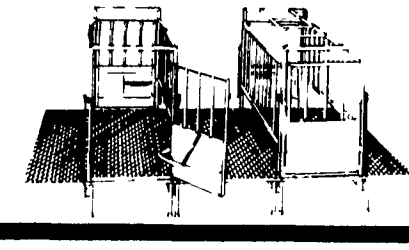

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Precision Sharp Edge

| Diameter | Gauge | Sale Price |
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| 18" | 11 | 7.99 |
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Now Only **$5.99** ea.

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**$6.79** ea.

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2 Wire, 3500 PST, ½" Pipe
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6 Gal. Case Lots .... $3.29 Gal.
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12½ Ga.
4 Pt.
80 Rod Spool (1320 ft)
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**Effective, economical.** Simply hang the 10' rub, pour on insecticide solution & let the rub do the rest. One pass under gives animals the protection they need. Made of DuPont Orlon & Acrylic, virtually rot proof.

**$12.95**

**Face Flyps** - to be used in conjunction with the cattle rub, offers an effective face fly control. Flyps wick insecticide directly from the rub & insure effective face fly control.

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# Nation's Shepherds To Vote On Promotion

BY JACK HUBLEY

The nation's sheep industry will be deciding whether or not to continue its national lamb and wool promotion programs during a referendum that gets underway on Monday and continues until Aug. 28.

Conducted by USDA, the referendum examines grassroots support for national promotion and sets the checkoff level for those programs. Approval of the referendum is contingent upon a "yes" vote from two-thirds of voters, or from the number of voters required to represent two-thirds of the sheep.

Funding for national promotion programs originates from a duty levied on imported wool. Producers receive incentive payments from the import duty based on their yearly marketings, and a portion of the incentive money is deducted to finance promotion and new product development programs administered by the Denver, Colorado-based American Sheep Producers Council.

At present, the deduction rate is 4 cents per pound of shorn wool and 20 cents per hundredweight of unshorn lamb. This amounts to a per-head deduction of 13 cents on wool and 30 cents on meat, according to Penn State Extension sheep specialist Clair Engle.

In addition to giving the nod to future promotional programs, a yes vote on this year's referendum would authorize a 50-percent increase in both deduction rates, to 6 cents on wool and 30 cents on lamb. ASPC's current annual promotion budget amounts to about $5 million, with 60 percent earmarked for lamb and 40 percent for wool, according to ASPC spokesman, John Morrison. Although a no vote would not officially have any effect on incentive payments to producers, "It's questionable if growers would still receive incentive payments if they're not willing to invest some of their incentive money for promoting their own products," said Morrison.

Calling the sheep industry "the bright spot in agriculture," Morrison noted that Pennsylvania lamb prices are some of the highest in the nation. "Projections indicate as much as a six percent increase in live lamb (prices) for next year," he said.

Morrison cautioned, though, that aggressive export programs conducted by New Zealand and Australia could threaten the industry's momentum here. While imported lamb accounts for only 7 to 8 percent of U.S. consumption, New Zealand outspends the United States by a 20-to-1 margin in promotion and marketing efforts on a pound-for-pound basis, he pointed out.

Although the referendum has been conducted at four-year intervals since 1955, this year's vote would extend the program for five years, Morrison said.

All producers receiving incentive wool checks in 1985 will receive a ballot by mail from their ASCS office.

# PP&L To Auction Farmland

LANCASTER — Farmers seeking quality Lancaster County farmland take note. Nine parcels of prime farmland in Manor Township covering nearly 640 acres will be sold at auction in mid-October.

Pennsylvania Power and Light Company, which owns the land, had previously planned to sell the property by sealed bids, but recently changed its approach to an auction to generate more interest.

"We've had a lot of inquiries," PP&L Columbia area manager Don Smith said.

The nine farms will be sold individually and five homes on the property also will be sold separately, Smith said.

The electric company is guaranteeing the land will remain in farming by inserting provisions in the deeds restricting the land to agricultural use forever. Located along the Susquehanna River, the parcel is the state's second largest contiguous tract of permanently preserved farmland.

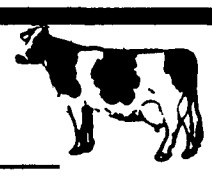
Although the exact date of the sale has not yet been set, it will be held at the property site, Smith said. All of the properties will be sold the same day.

Lancaster County ag preserve officials said 80 percent of the land consists of Class 1, 2 and 3 soils and is excellent for agricultural use.

Much of the land is currently being farmed by Funk Bros., a vegetable farming operation.

PP&L acquired the land in the 1960s with the intention of constructing a generating plant there some day, Smith said. When industry outlook changed, PP&L decided against building another plant and decided to sell the property.


# HOLSTEIN SALE



**At the farm located between Libertytown and New Windsor near the County line, in Frederick Co., Md. From Libertytown take Route 31 east 4½ miles to Oak Orchard Rd., turn right and farm is 1½ miles on right. From New Windsor take Route 31 west to Oak Orchard Rd. and turn left.**

**WEDNESDAY, AUGUST 27**

**11:00 A.M.**

**103 HEAD OF GRADE HOLSTEINS**

**75 Cows - 13 Bred Heifers**

**- 15 Open Heifers -**

The cows include 23 recently fresh and 10 more due shortly after sale. Others will be due this fall for late base.

**— 35 in First or Second Lactation —**

| These Sell: | | | | |
|---|---|---|---|---|
| No. 3 | 370 | 18,220 | 4.7 | 842 |
| No. 42 | 364 | 23,670 | 3.5 | 837 |
| No. 27 | 307 | 17,110 | 4.7 | 811 |
| No. 37 | 346 | 19,000 | 4.0 | 761 |
| No. 55 | 315 | 18,770 | 4.1 | 771 |
| No. 1 | 366 | 19,810 | 3.5 | 706 |
| No. 134 | 365 | 19,530 | 3.5 | 679 |

Bred Heifers due from sale throughout base period.

Attention: This is largely a late summer and early fall freshening herd. A good opportunity to buy base milk.

**Examined for Pregnancy**
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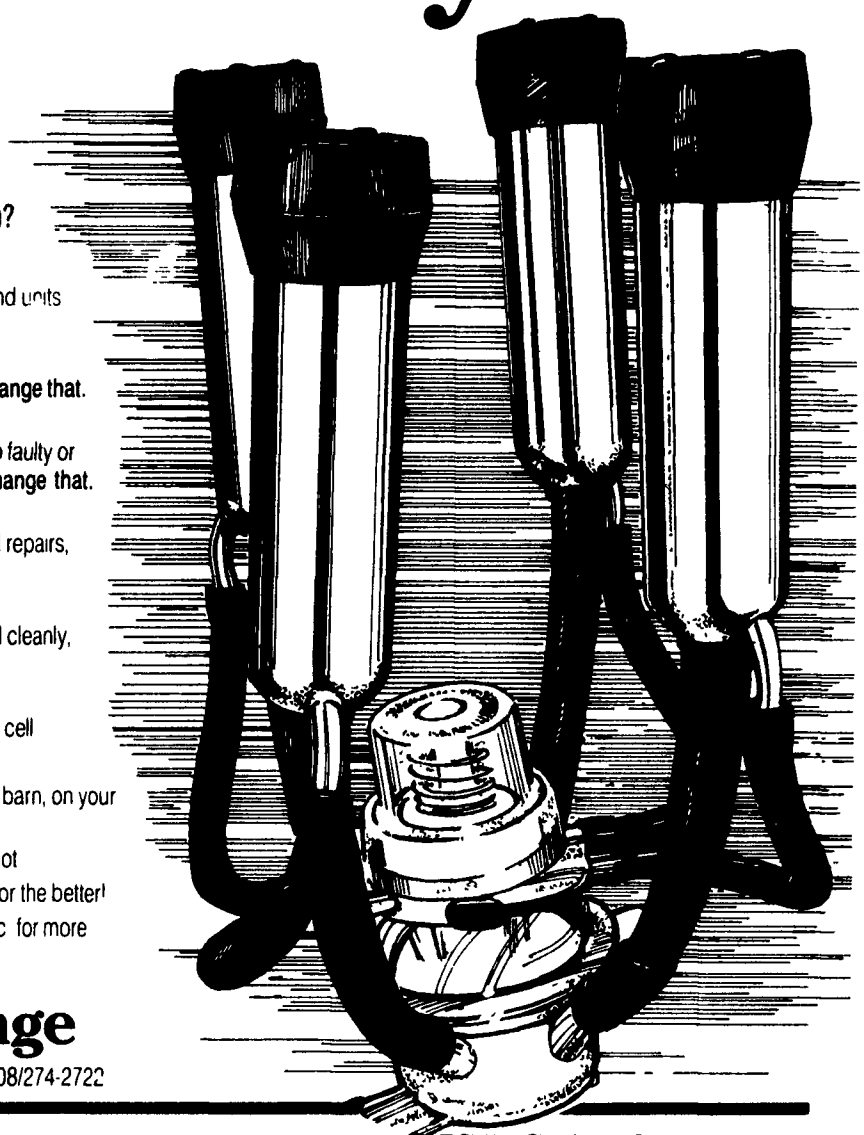
# This could change your day.

## The NuPulse Milker



What can NuPulse milkers change for you?

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If it's taking you too long to milk, NuPulse can change that.

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If you've had enough of problem pulsators due to faulty or corroded electrical connections, NuPulse can change that.

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If your mastitis treatment bills and/or your somatic cell counts are too high, NuPulse can change that.

Let us prove it to you! Try NuPulse milkers in your barn, on your cows—**FREE.**

You be the judge as to whether you buy them or not

Don't you think it's time for a change—a change for the better!

Contact your local NuPulse dealer or NuPulse, Inc for more information

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**NuPulse® Inc. Welcomes Two New Dealers**

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# WHEN YOU WANT THE JOB DONE RIGHT, DO IT WITH RHINO EQUIPMENT

## *Tops In Quality And Performance*

## See On Display And In Action At AG PROGRESS DAYS

RHINO

*The Do It All Cut And Finish*

### RHINO 76 & 77 DOUBLE OFFSET DISK

*With or Without Wings*

A Disk Harrow That Is Self-Leveling With A Flex Frame And C Clamp Flex Bearing Hangers

If you want faster incorporation, better seedbeds, and less time in the field, Rhino Products R76 is the disk for you The advanced Double Offset design lets you disk at faster speeds, vary the field speed on-the-go, and still leave a uniform level seedbed behind

**2 YEAR GUARANTEE ON QUADRASEAL™ ROLLER BEARINGS AND THE C CLAMP FLEX HANGER**

*See In Action & On Display*

**The New Heavy Weight RHINO 200 SERIES DOUBLE OFFSET DISK**
Spring Bearing Hangers, 10'2" Cut w/a Midwest Buster Bar Attachment.

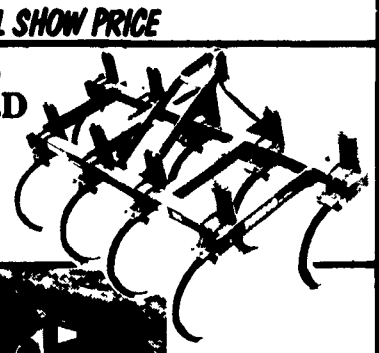
*Ask About Our SPECIAL SHOW PRICE*

RHINO

### CHISEL PLOWS YOU CAN AFFORD

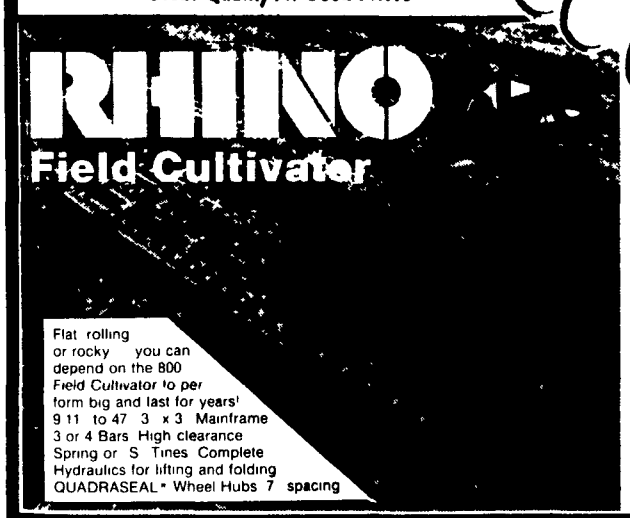
In Stock:
- 5 Ft., 2 Bar
- 7 Ft., 2 & 3 Bar
- 11 Ft., 2 Bar

*Great Quality At Good Prices*



RHINO

**Field Cultivator**



Flat rolling or rocky you can depend on the 800 Field Cultivator to perform big and last for years! 9 11 to 47 3 x 3 Mainframe 3 or 4 Bars High clearance Spring or S Tines Complete Hydraulics for lifting and folding QUADRASEAL® Wheel Hubs 7 spacing

*NONE BUILT HEAVIER!*

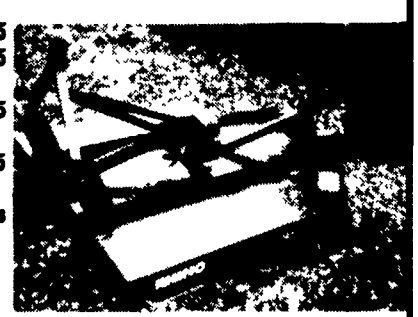
- 13'5" Width **$2,695**
- 19'3" Width **$3,995**

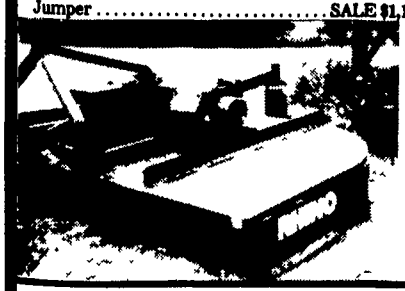
*100's of Rhino Disks, Chisels, Coulter Chisels, Blades And Cutters Are In Use In The Northeast*

### AND FOR A GOOD REASON... LOOK!

**RHINO SE SERIES ROTARY CUTTERS**

- 4 Ft. Model SE4, List $525 ..... SALE $425
- 5 Ft. Model SE5, List $546 ..... SALE $495
- 6 Ft. Model SE6, Shear Bolt Protection List $929 ..... SALE $695
- 6 Ft. Model SE6 w/Slip Clutch, List $1029 ..... SALE $785
- 7 Ft. Model w/Slip Clutch, Stump Jumper ..... SALE $1,196





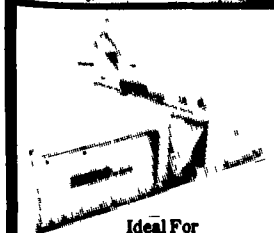
**RHINO HEAVY DUTY 8 FT. CUTTERS**
Model Sat. 8, 8 Ft. w/Slip Clutch
No Stump Jumper
List Price $3,396

SALE **$2,485.00**
Limited Stock

*"RHINO" TOUGH ENOUGH FOR TRENCHING*

### 3 Pt. HITCH BLADES

We Have Any Size Blade To Meet Your Tractor Power



Ideal For Snow Removal, Barnyard Scraping, And Excavating or Terrace Work With The Big Ones!

| MODEL | HP | WIDTH | SPECIAL PRICE |
|---|---|---|---|
| • LR | 55 | 7' | $498 |
| • LR | 55 | 8' | $525 |
| • BR | 75 | 7' | $855 |
| • BR | 75 | 8' | $890 |
| • 900 | up to 100 | 8' | $1050 |
| • 900 | up to 100 | 9' | $1085 |

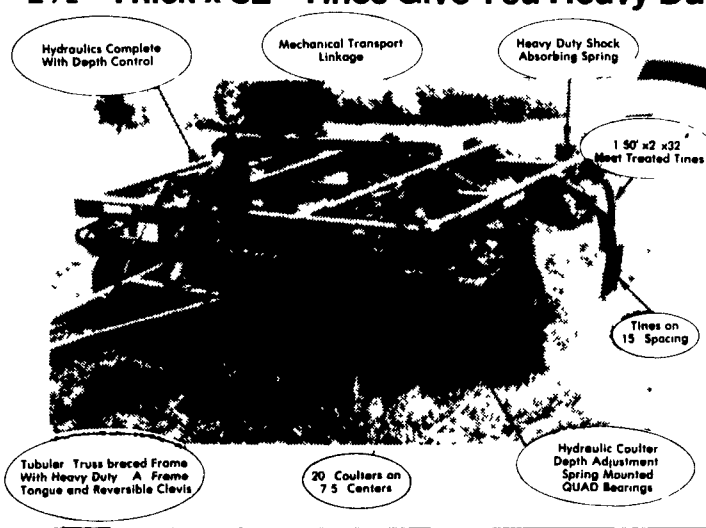
# RHINO 890

**Nobody Offers More Trash Clearance Than Rhino, High Quality, Heavy Weight, Soil Saving Coulter Chisels For The Right Price**

## NOTICE: *POWER SAVING FEATURES*

RHINO

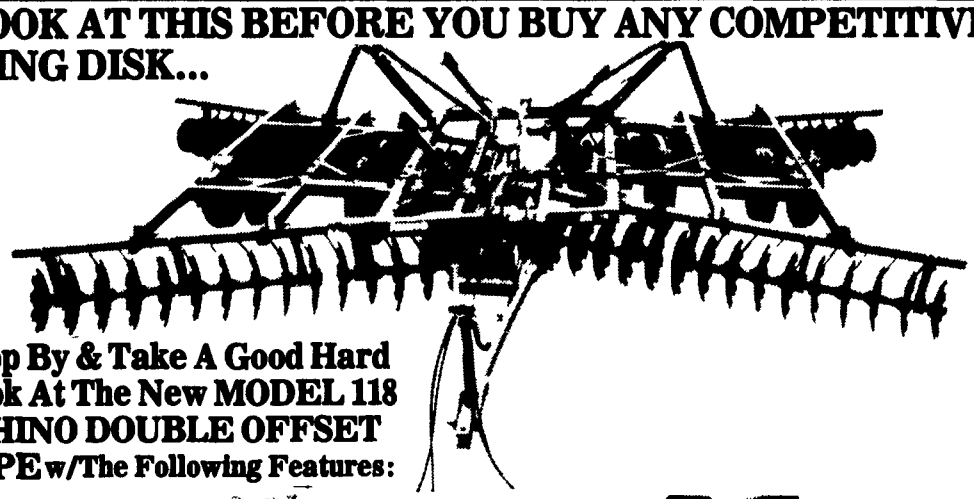
- **Features Hydraulic Raised and Lowered Coulter Gangs That Allow You To Raise Slicer Blades When Not In Trash That Saves Power, Fuel, Gives More Speed, Less Wear, Then When You Reach The Heavy Trash That Needs To Be Cut, You Lower Slicer Blades and Keep Right On Going!**
- **1½" Thick x 32" Tines Give You Heavy Duty High Clearance!**


Hydraulics Complete With Depth Control
Mechanical Transport Linkage
Heavy Duty Shock Absorbing Spring
1 50" x2 x32" Heat Treated Tines
Tines on 15" Spacing
Tubular Truss braced Frame With Heavy Duty A Frame Tongue and Reversible Clevis
20 Coulters on 7 5 Centers
Hydraulic Coulter Depth Adjustment Spring Mounted QUAD Bearings

**Best Of All**
**More Weight**
**Less Cost**

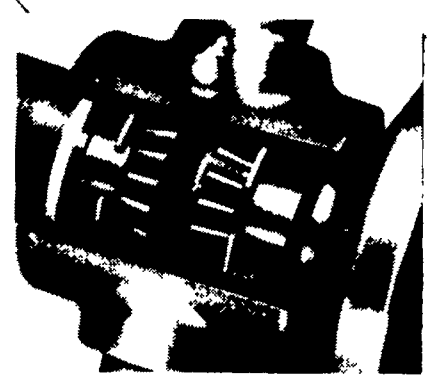
**NOTICE: This Enables You To Lift Coulters Out When Not In Trash — SAVE POWER & WEAR**

### LOOK AT THIS BEFORE YOU BUY ANY COMPETITIVE WING DISK...



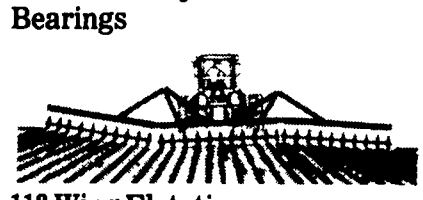
**Stop By & Take A Good Hard Look At The New MODEL 118 RHINO DOUBLE OFFSET TYPE w/The Following Features:**

118 Spring Bearing Hangers



Guaranteed Quadraseal® Bearings

118 Leveling System



118 Wing Flotation

RHINO

### THE HEAVYWEIGHT CHAMPIONS

**At The Right Price**

Several In Stock

**ASK YOUR NEIGHBOR, HE'S PROBABLY ALREADY A SATISFIED RHINO OWNER!**

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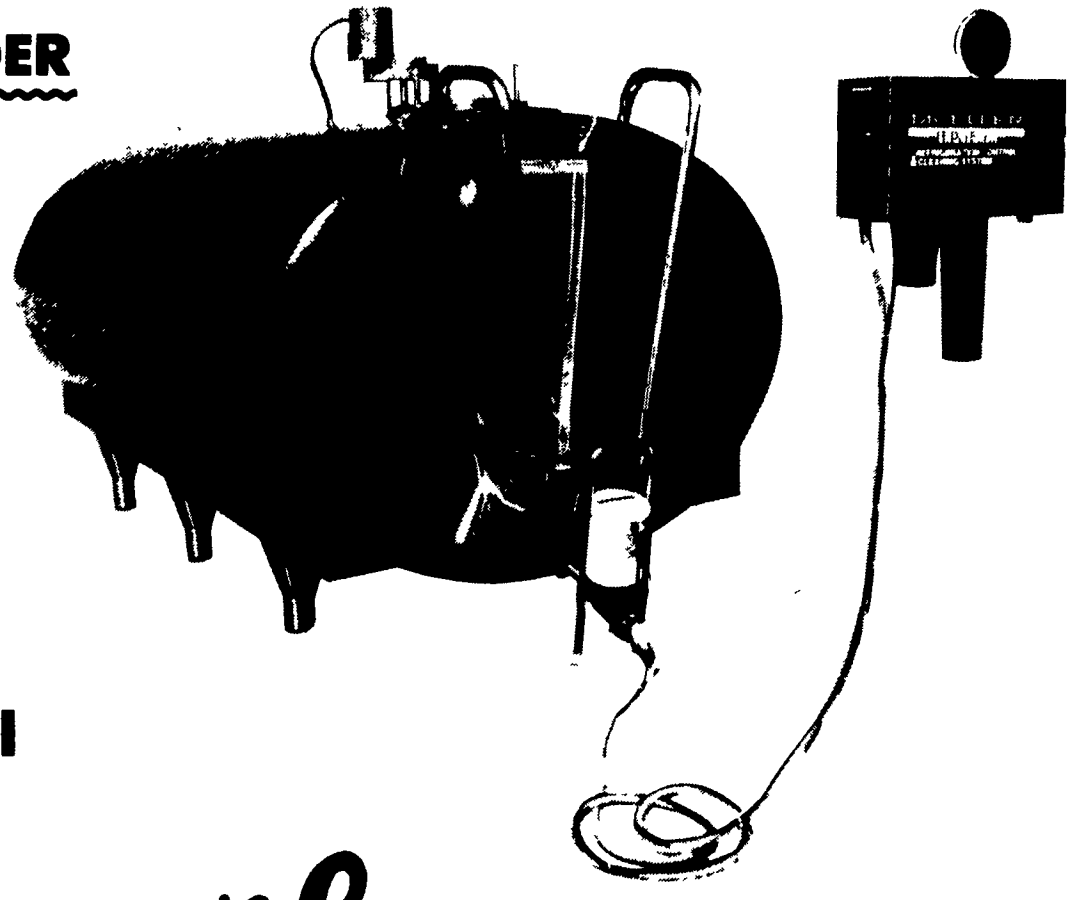
# MUELLER

## Dairy Farm Equipment

**REMEMBER... A USED TANK... MAY BE AN ABUSED TANK...**

**CONSIDER**



MUELLER HI PERFORM SYSTEMS
600 THRU 6000 GAL. (700 & 900 GAL. AVAILABLE)

OR

THE NEW MUELLER MODEL OE
ECONOMY BULK COOLER
600, 800, 1000, 1250, 1500, 2000, 6000
Gallon Sizes

**With MUELLER . . . the Quality Goes All the Way Through!**

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**24 HR SERVICE BY TRAINED TECHNICIANS**

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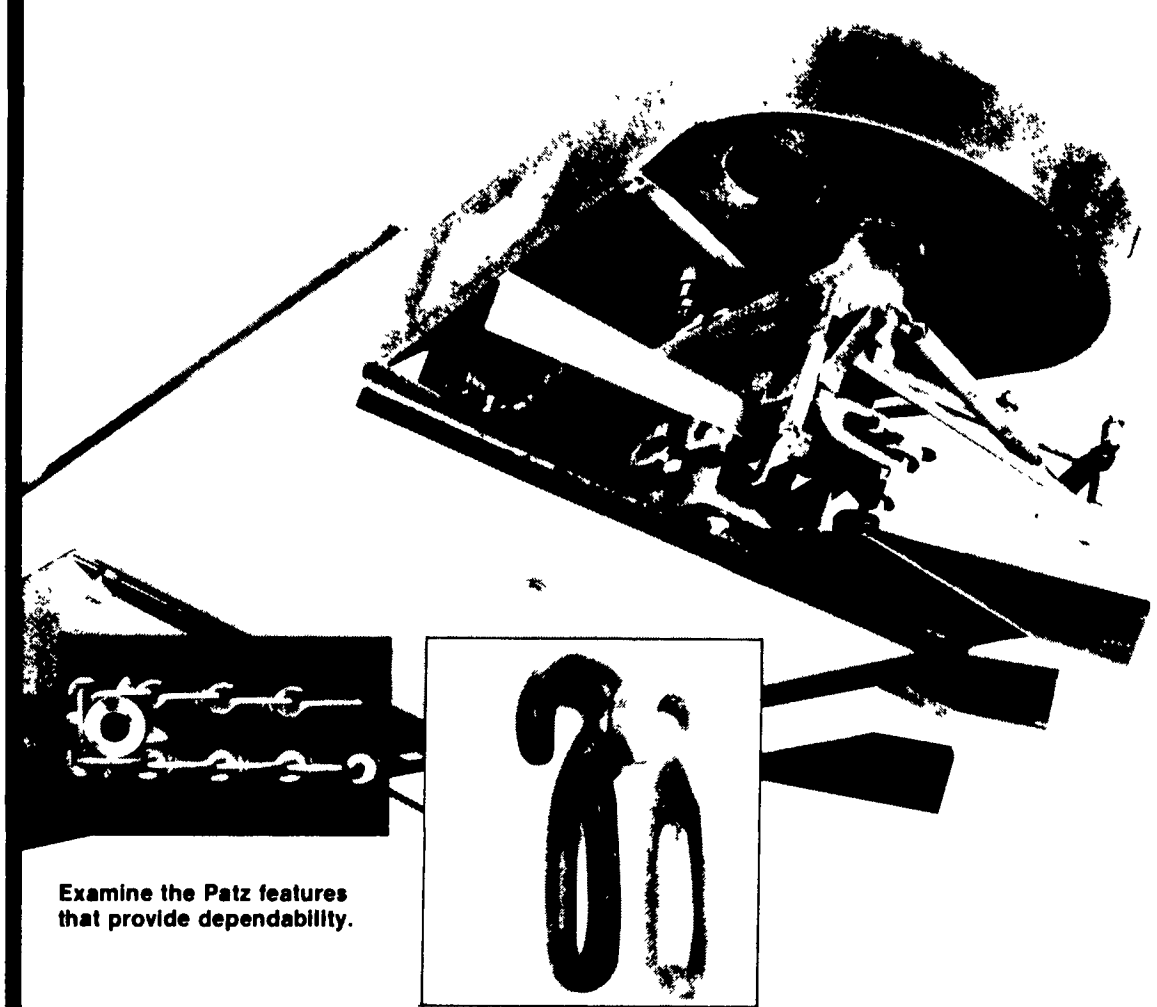
**CAN YOU GO THRU ANOTHER SEASON WITH YOUR PRESENT GUTTER CLEANER?**



Examine the Patz features that provide dependability.

# THE PATZ SOLUTION:

## Proven Dependable Gutter Cleaning

Patz gives you strength plus reliable long-term performance.

**Patz**

By Longacre
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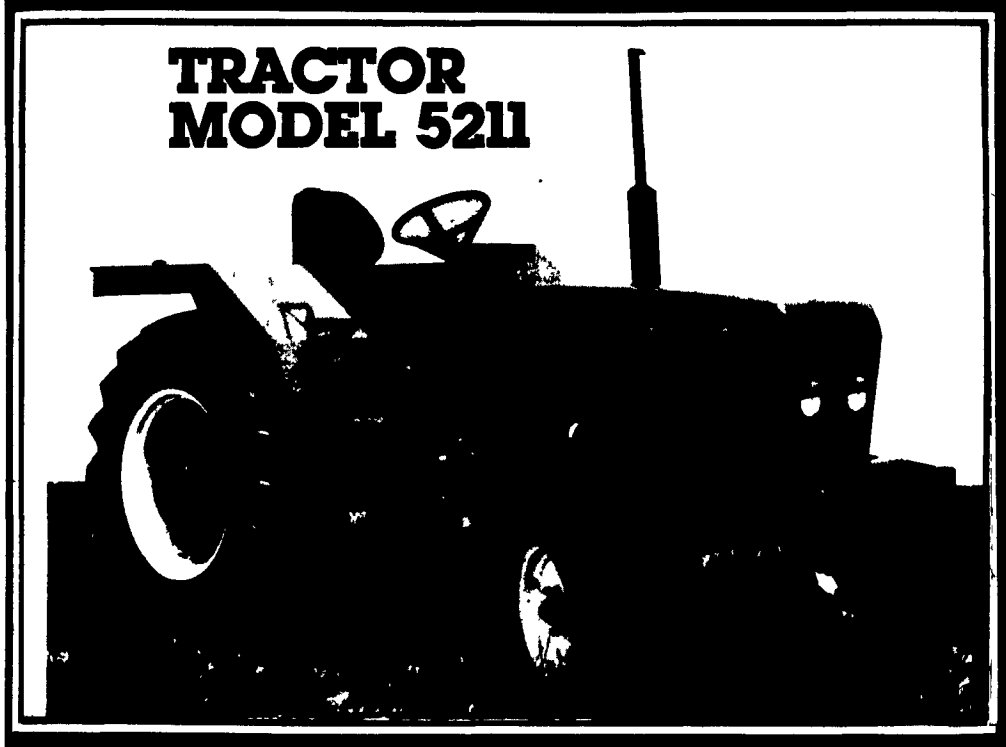
# ? Is It Possible? ?

## QUALITY FOR A PRICE!!




## See Us At AG PROGRESS DAYS And COMPARE!

**These Standard Features Are Included In ZETOR 52 SERIES TRACTOR Prices:**

* Differential Lock
* Built-In Air Compressor
* 3 Pt. Hitch
* Wet Sleeve Diesel Engine
* Heavy Duty Front Axle

**Compare A ZETOR 52 SERIES Tractor - 2 or 4 Wheel Drive - To Any Other Brand... You Will See It Is The Best Tractor Buy In America!!**

| Features | ZETOR 52 SERIES | JOHN DEERE 1450 | JOHN DEERE 2150 |
|---|---|---|---|
| PTO Horsepower | 43 | 44 | 46 |
| Cu. Inch Engine Displacement | 164 | 190 | 179 |
| Forward Speeds | 10 | 9 | 8 |
| Weight | 5,200 Lbs. | 4,410 Lbs. | 4,970 Lbs. |
| Std. Front Tires, 2 WD | 750x16 | 650x16 | 650x16 |
| Std. Rear Tires, 2 WD | 14.9x28 | 14.9x28 | 13.6x28 |
| 540/1000 Rear PTO | Standard | Not Avail. | Not Avail. |
| Flat Operator's Deck | Standard | Not Avail. | Not Avail. |
| Individual Cylinder Heads | Standard | Not Avail. | Not Avail. |
| Fuel Consumption As Per Neb. Test | 2.421 Gals. Per Hr. | 2.924 Gals. Per Hr. | 3.209 Gals. Per Hr. |
| Factory List Price 2 Wheel Drive | $9,265 | $16,234 | $16,731 |
| Factory List Price 4 Wheel Drive | $11,130 | $20,534 | $21,912 |

**ZETOR**
More Tractor . Less Money

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# MORE TRACTOR....LESS MONEY!

# The Dairy Business

By Newton Bair

## *Liberty and Independence*

With most of the publicity surrounding the Statue of Liberty nearly a month behind us, it should be worthwhile to do a little introspection about our own ideas and enthusiasm on the subject of **Liberty.**

Some of our ancestors may have first entered the United States of America since the Statue of Liberty was placed on Bedloe's Island in 1886. Most of mine came to these shores long before that. Very early in the eighteenth century, they fled the tyranny of war and religion — torn Central Europe, and at the special invitation of William Penn, settled in Lancaster County Pennsylvania. The history of that migration should not be forgotten by those of us who take for granted the meaning of Liberty.

In researching my own ancestry, I was reminded many times of the terrible hunger for freedom and independence that our forefathers harbored. Europe was a seething hotbed of political intrigue, stirred in a caldron of corrupt religious leadership. The Reformation led by Martin Luther had inspired many other Religious leaders to take issue with the established Church and it's corrupt politicians, resulting in a surge of prosecution which touched nearly every family on the continent. The luckier ones left that mess behind, and sailed for freedom in the U.S.A.

Of course, we eventually had to fight for our freedom and independence. Not once, but three or four times, we declared war on tyranny and injustice. We still have an imperfect system of Liberty and justice, but it probably is the best system the world has to offer. The very idea of freedom, Liberty, and independence has always been the goal of most of the worlds people. The trouble is that they either were not willing to fight to attain it, or the sacrifice it required was too great to overcome the greed and power of those who would be masters rather than servants.

We will always be thrilled by the words of the great Americans who expressed the love of Liberty in the highest terms.

Jefferson, in the Declaration of Independence used it first; ". . . to seek **Liberty** from Tyranny and Injustice. . ." Patrick Henry, going farther than most of us would care to today, said "Give me **Liberty** or give me death!" Abe Lincoln, in the middle of the Civil war, at Gettysburg, ". . . a new nation, conceived in **Liberty** and dedicated to the proposition that all men are created equal."

Great orators have amplified and promoted the great idea of Liberty, and will continue to do so. Our forefathers didn't need oratory to persuade them of the value of the meaning of Liberty, they felt it in their very existance.

Lest we are inclined to question the reality of Liberty in our own lives today, we need to look carefully at the rapid changes in the world around us. Liberty has never given us the license to subjugate others. It only gives us freedom to pursue what is rightfully ours, without robbing our brothers. Freedom always demands discipline, and the degree of independence obtained is always proportionate to our ability to restrain and control our desires. That free lunch we look for, or a winning lottery ticket, or the inheritance of a rich uncle, happens only to a few freaks, and often leads to their downfall.

The dairy business may have to make some adjustments that look like we are losing some of our Liberties. But if we stand back far enough and take in the whole broad picture, we may be able to see that our present dilemma of TOO MUCH is the direct result of our Liberty to produce. Our Liberty to continue to produce must be disciplined by self-control. Otherwise some one else will control the game, and we will lose some of that Liberty.


UAS

**DAIRY POWER**

*The Only Stress Pack Your Cow Needs*

**IT CONTAINS:**
- Zinc Methionine
- Niacin
- CDL • Choline • Kelp
- DDS - Lactobacillus acidophilus
- Amylase, protease and cellulase enzymes
- Vitamin E
- Vitamin A and D
- B Vitamins

**IT DOES NOT CONTAIN:**
Any drugs - so there is no fear of drug residues!

**THE ABOVE NUTRIENTS**
- Increase Milk Production
- Increase Conception Rate
- Decrease Somatic Cell Counts (SCC)
- Decrease Foot-Rot Problem
- Increase Appetite
- Increase Feed Efficiency
- Make Your Average Cow A Top Cow

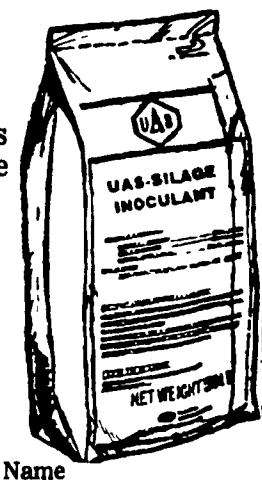
Two ounces of DAIRY POWER daily add enough power to your average cow. Ask by name - UAS DAIRY POWER. Do not settle for substitutes!

**UAS SILAGE INOCULANT**

The university-developed Silage Inoculant which is comparatively the best fermentation-aid for your silages and high-moisture grain.

- Reduces dry matter loss
- Reduces mold growth
- Retains nutrients
- Extends bunk life
- Contains-Plantarum-2B

*And Saves You $5.00 For Each $1.00 You Invest*




Ask By Name
**UAS SILAGE INOCULANT**

*Do Not Settle For Substitutes!*
Dealer Inquiries Invited

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**Kauffman Farm Supply**
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**'Is Anybody Listening?'**

"I'm afraid to trust another co-op. I don't know what my future holds. My family needs to feel secure, too. I'm worried and I'm angry... will I lose it all?"

**Eastern Is Listening**

Because Eastern is farmers — who, just like you, need security and who need to trust. Eastern farmers are working together to make a difference in their lives.

"We have a guaranteed monthly check and bonus checks for quality.

"We have a strong and growing market for our milk.

"We have benefits and security.

Eastern farmers have overcome bad times and we're forging ahead. Insuring our future with strong management, wise financial counseling, creative marketing, quality products and involved farmers

Eastern Milk Producers joins you in celebrating THE PROGRESS OF AGRICULTURE IN PENNSYLVANIA And we invite you to join us in our vision for the future

Call any of 1700 Pennsylvania Eastern farmers Ask them how they feel about Eastern And then, call an Eastern Representative and get the whole milk story. It's your first step to security and renewed trust

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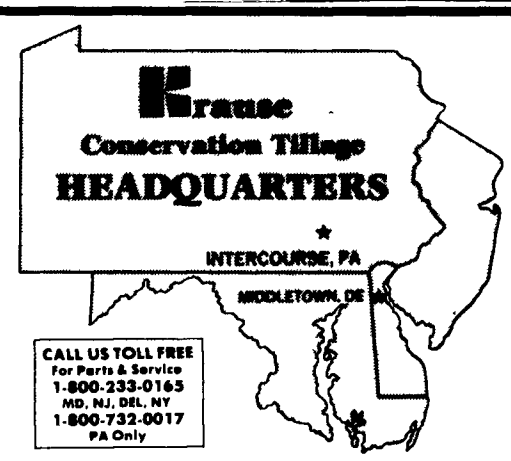
**KRAUSE the tillage innovators**

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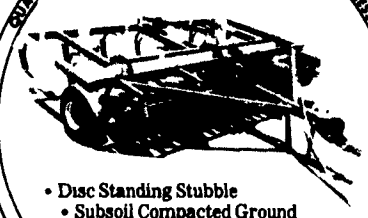
Located On W. 2nd Street

3600 SERIES LANDKING



- Disc Standing Stubble
- Subsoil Compacted Ground
- Chisel & Incorporate Residue
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*Ask Your Neighbor About Krause... He Probably Owns One*

2880 SERIES LANDSAVER COULTER CHISEL PLOW

- LENGTHENED FRAME Provides More Trash Clearance
- Choice Of Shank Options
- Choice Of 2 Finishing Attachments
- Hyd. Coulters Optional

**KRAUSE HAS A TILLAGE TOOL FOR YOU!**

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Custom Builders of Dairy, Hog, Poultry, Horse, Storage, Residential And Commercial Buildings.

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**We'd Like To Meet You...**

**You'll Find Us On West 11th St.**

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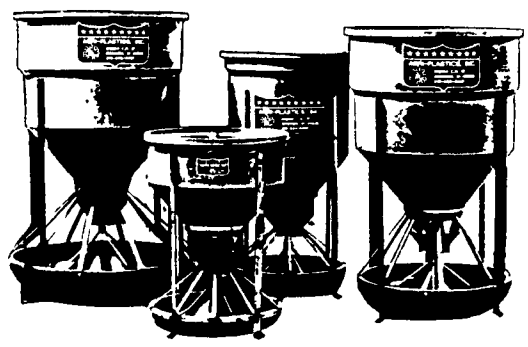
## AGRI-PLASTICS, INC.

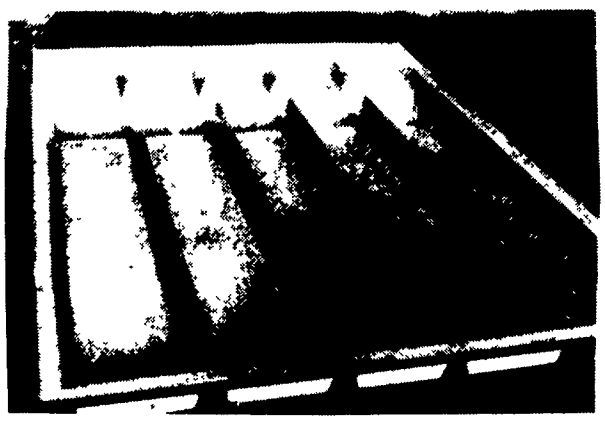
**The Plastics People**

Suberbly Designed and Constructed Plastic Products For The Swine Production Industry.

**CORN CONVERTER Hog Feeders**



**Durable Plastic Flush Pans**



**Other Products On Display:**

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- Intensive Care Nursery Decks
- PVC Plastic Hog Panels
- Plastic Sow Feeders

**We'll Also Be Featuring:**
**Epoxy Powder Coated Steel Hog Confinement Equipment**
Come See It On Display

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## *The automatic* Controlled Feeding System

A Cablevey system puts you in complete control of feeding your broilers.

A flexible, durable galvanized steel cable, with plastic discs attached to the cable, moves feed through the tube to the pans.

**Stop By Our Tent To See A Video Tape Of An Actual CABLEVEY Male Breeder Poultry Feed System In Operation!**

**Intermittent Timeclock Feeding For Dairy Stanchion Barns**

**CABLEVEY - The Profit Converter**

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**The Shape of Efficiency**

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**High Quality Direct And Belt Drive Ventilation Units!**
**State-of-the-Art Ventilation System Controls!**

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For Information About The New

**SUPERCHARGER™ SYSTEM For Poultry Ventilation**

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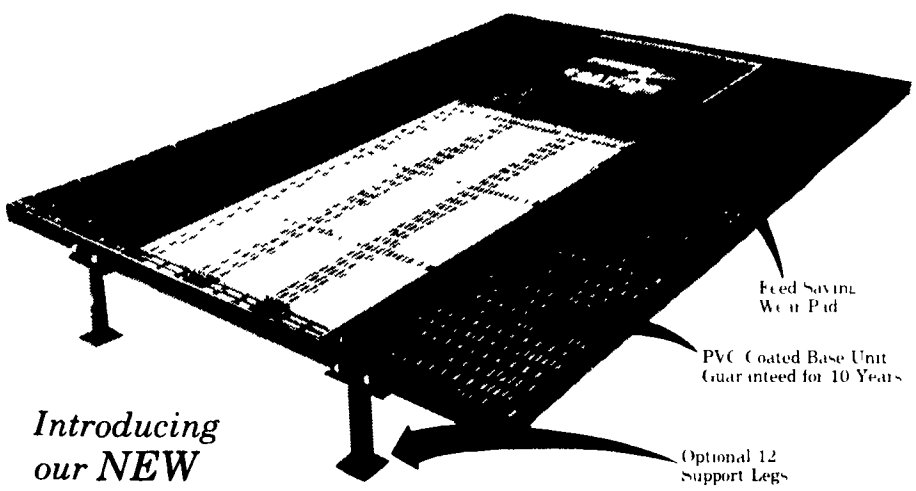
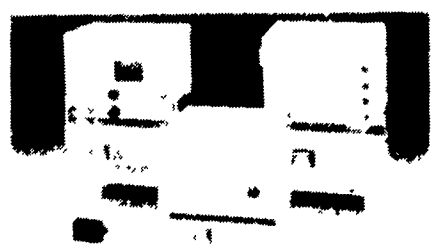



*Introducing our NEW ECONOMY FARROWING PACKAGE*

**Field-tested controls to operate your ventilation equipment in an efficient, reliable manner.**

Ventilation controls are the most important part of any ventilation system. Ours are designed to withstand the rigors of the livestock environment. Housed in water-tight, dusttight enclosures these controls electrical components are protected from corrosion and dust. From the simplest on/off thermostat to the most sophisticated digital or analog controls, our engineering focus has been on reliability, durability and affordability.



STAGE MANAGER CONTROL SYSTEM

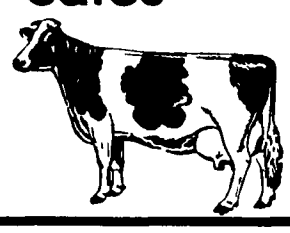
**STAGE MANAGER CONTROL SYSTEM**

We proudly introduce our user-friendly control system THE STAGE MANAGER™ a system that puts you back in charge of your production.

Consider these features and we think you will agree.

- Remote digital display of animal environment temperature
- Up to 13 temperature set points to control fans and equipment
- Single knob adjustment of desired room temperature
- Low voltage input and output isolates control from full line voltage
- Temperature simulation mode allows testing and understanding
- Equipment operated by solid state relays
- Watertight, dusttight plastic enclosures

# Major Dairy Sales And Dispersals Nationwide



Reports from three sales for the week of August 8 to August 13 showed 234 head averaging $1,006.47. These sales were held in New York and Minnesota. The top prices at the sales ranged from $1,750 to $1,243. Here is a brief look at the results of these sales.

**HOLSTEIN**

The NEW YORK STATE BRED HEIFER SALE averaged $776.42 on 166 head. The highest bid of the day was $1,530 on a Lime Hollow Elevation Mars daughter. This bred heifer is due in September with a Bell calf. Her dam, a Chapel-Bank Apache daughter, has a high record of 16,990 pounds of milk and 736 pounds of fat with a 4.3 test. Her second dam has a high record of 17,520 pounds of milk with a 3.8 test.

Second high bid of the sale was on a Silver Shade Line Chief RORAE daughter. This bred heifer is due in September with a Quality Edge Banner calf. Her dam, a Chapel-Bank Apache daughter, has two records over 20,000 pounds of milk.

Empire Livestock Marketing Cooperative managed the sale.

The TRI-COUNTY CLUB SALE, held in New York, averaged $1,243 on 33 head. Topping the sale was an 11-month-old daughter of Memorial, with a price of $3,200. Her dam, classified VG-86, is a high index Valiant daughter. Presently her index is plus 878 milk, plus .19 percent, plus 66 fat, and plus $161. At 298 days her record in progress is 24,770 pounds of milk with a 4.4 test and 1,084 pounds of fat.

A bred heifer sired by Bell came in second in the bidding with a price of $2,500. She is due later this month with a Valiant calf. Her dam, a Matt daughter, has a top record of 22,020 pounds of milk and 820 pounds of fat.

The sale was managed by Backus Associates Inc.

The NORTHEAST GRANDSTAND SALE, held in Minnesota, averaged $1,000 on 35 head. Topping with sale at $1,750 was a 3-year-old sired by Lester. Her dam, a Royal Medalist daughter, has a high record of 22,000 pounds of milk and 710 pounds of fat.

Second high in the sale, with a bid of $1,625 was a Very Good Sexation 4 year old. Her record in progress stands at 17,022 pounds of milk with a 4.4 test in 290 days.

The sale was managed by Henry Bartel Auctioneering Service.

# *York County Holstein Picnic*

BY JOYCE BUPP
York County Correspondent

GLENVILLE – Cow-pasture softball, backyard volleyball, cow judging classes and general "visitin" equaled a good time for everyone, as York Holstein breeders gathered last Thursday for their summe picnic.

Hosts for the day of fun and fellowship were Treva and Elmer Myers, and their son, Dennis.

The Myers' Sun-E-Ridge farm includes 120 acres tillable and a registered Holstein herd of 50 head. Production average on the primarily homebred herd is 16,500 milk and 533 fat. Dennis, who manages the farm since his parents' retirement, favors such current popular sires as Ned Boy, Chairman and Kirk Boy.

Elmer and Treva Myers began dairy farming 52 years ago, on a farm near Loganville, with about six head of milking animals. His first purchase was a $38 dry cow, which within a month had freshened with a heifer calf. In 1954, the Myers family moved to their present farm just outside Glenville.

Among the farm's most memorable homebreds is a 17-year-old Black Eagle whose stately, if graying, muzzle still eagerly shoves to the bunk feeder in the loafing shed.

Myers Black Eagle Edna, has dropped 13 calves in her 17 years, finishing her best lactation yet last year, with over 20,000 pounds of milk. And, during the herd's most recent classification, in January, she was raised two points to VG-87.

Cow judging again proved to be a popular Holstein picnic highlight, with most of the 125 in attendance submitting placings for the 2-year-old and aged cow classes.

Scott Green won the youth division, with Patty Bupp, second, and Jeff Hoff, third. In the ladies' division, Barb Taylor had top points, followed by Anna Charles and Darla Doll. Winning the men's division was Leroy Bupp, with Dale Doll, second, and Ira Boyer, third.

Official for the judging competition was Tom Smith, of Atlantic Breeders Cooperative, Lancaster, who also spoke briefly on the linear mating program.

## NATIONAL DAIRY COW SALE INDEX

©1986 Lancaster Farming Newspaper

This sale index can help dairymen place a value in the dairy cows in their own herds. Breed organization sales and private dispersal sales reported in Lancaster Farming are included in the dollar averages.

| | Ayrshire | Brown Swiss | Guernsey | Jersey |
|---|---|---|---|---|
| Year to date: | | | | |
| Nation | 721 | 946 | 1135 | 872 |
| Pennsylvania | 1027 | — | 556 | 1069 |
| Four previous weeks: | | | | |
| Nation | — | 1694 | 3055 | 598 |
| Four previous weeks +/-year to date: | — | 748 higher | 1920 higher | 274 lower |

| | Holstein | Red and White | Milking Shorthorn |
|---|---|---|---|
| Year to date: | | | |
| Nation | 2053 | 2837 | 672 |
| Pennsylvania | 1334 | 2837 | 922 |
| Four previous weeks: | | | |
| Nation | 2177 | — | — |
| Four previous weeks +/- year to date: | 124 higher | — | — |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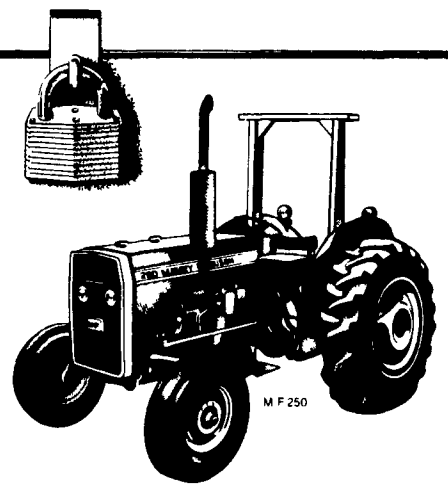
Pick one of the nine 34 to 78-hp* Massey-Ferguson 200 Series Tractors and you ve picked the best candidate to handle your tough jobs Then pick one of our great money-saving offers and you ve got a winning deal on that new M-F tractor You can get low rate M-F financing or waiver of finance charges to January 1 1987 And get huge factory dis counts But you have to hurry These winning deals end November 1 1986

*Mfr rated PTO hp

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The Hamilton Bank Agri-Finance Department Team (left to right) Darvin E Boyd, Vice President and Director, Jeffrey R Troutman, Assistant Vice President; John E Moose, Vice President and Assistant Director, Roger Rohrer, Assistant Vice President This team is supported by another knowledgeable team of bank Marketing Managers, working with you throughout Hamilton Bank's seven county servicing area

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We recognize the significant role farm and Agri-business plays in contributing to a viable economy. That is why Hamilton Bank is so interested in supporting agriculture.

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# Order 4 Base Milk Priced At $12.46 For July

ALEXANDRIA, Va. — Middle Atlantic Order Market Administrator Joseph D. Shine announced a July 1986 base milk price of $12.46 per hundredweight and an excess milk price of $11.01.

The weighted average July price was $12.45 and the butterfat differential for the month was 16.5 cents. The base milk price was up 16 cents from June but was 13 cents lower than last July. The weighted average price was up 19 cents from June but was 6 cents lower than a year earlier. The gross value of July producer milk was $65.0 million, unchanged from a year ago.

Shine said that producer receipts totaled 523.4 million pounds during July, an increase of 2.5 million pounds from last July, and the average daily delivery of 2,597 pounds per producer increased 69 pounds or 2.7 percent from a year earlier.

Class I producer milk totaled 238.4 million pounds and was up 13.3 million pounds or 5.9 percent from last July. Class I milk accounted for 45.54 percent of total producer milk receipts during the month, compared with 43.21 percent in July 1985. Base milk accounted for 92.43 percent of total producer milk receipts in July compared with 88.60 percent last year. The average butterfat test of producer milk was 3.51 percent, up from 3.49 percent last July.

Middle Atlantic Order pool handlers reported Class I in-area milk sales of 199.7 million pounds during July, an increase of 3.1 percent from a year earlier after adjustment to eliminate variation due to calendar composition.

# Revised Slaughter Periods Announced

WASHINGTON, D.C. — About 57,000 fewer dairy cattle than indicated earlier will be slaughtered in August as a result of contract modifications under the Dairy Termination Program, the U.S. Department of Agriculture announced recently.

A total of 1,116 DTP participants with contracts to dispose of their dairy cattle in the first contract disposal period, April 1 to August 31, have modified their contracts opting for a later disposal period.

The original contracts called for the disposal of 153,523 cattle, consisting of 92,112 cows, 35,562 heifers and 25,849 calves. While some of these animals have already been slaughtered or exported, producers intend to slaughter about 172,000 animals in August rather than the 229,000 indicated earlier.

Through July, Commodity Credit Corporation purchases of additional red meat totaled about 220 million pounds — 40 million pounds more than the quantity which is proportionate to the intended cattle slaughter through July.

In Pennsylvania, 44 producers modified their contracts, moving 2,440 cows, 917 heifers and 687 calves from the first period to the second period. Moving into the third slaughter period was 217 cows, 74 heifers and 54 calves.

Present slaughter intentions for the nation are: period one, 516,969 cows, 167,650 heifers, 147,645 calves for a total of 832,264 head; period two, 162,685 cows, 66,520 heifers, 66,680 calves for a total 295,885; and period three, 170,027 cows, 58,333 heifers, 57,274 calves for a total of 285,634 head. Planned export totals for all three period equal, 94,068 head.


# 1986 Schedule of Events

**SUNDAY: AUG. 24 -**
8:00 A.M. - West End Fair Open
Horse Show
11:00 A.M. - Entering of Exhibits
6:30 P.M. - VESPER SERVICE

**MONDAY: AUG. 25 -**
7:00 P.M. - PLEASANT VALLEY H.S. BAND
8:00 P.M. - DEMOLITION DERBY

**TUESDAY: AUG. 26 -**
6:30 P.M. - 5th Annual Fiddling Contest
8:00 P.M. - ROYAL LIPIZZAN STALLIONS

**WEDNESDAY: AUG. 27 - Sr. Citizen Day**
12:00 Noon - BIG BAND AMBASSADORS
1:00 P.M. - OPEN FUN SHOW
4-7 & 9 P.M. - THE BONNIE NELSON SHOW
7:00 P.M. - GYMKHANA HORSE SHOW
8:00 P.M. - THE LEISURE SQUARES

**THURSDAY: AUG. 28 - CHILDREN'S DAY**
1:00 P.M. - CHILDREN'S CONTESTS
4-7-9 P.M. - GRESHAM
6:00 P.M. - CHILDREN'S PRESENTATIONS
8:00 P.M. - DEMO DERBY

**FRIDAY: AUG. 29 -**
4-7-9 P.M. - THE MIGGLESTONES
7:30 P.M. - CLASS B TRACTOR PULL
8:00 P.M. - THE LEISURE SQUARES

**SATURDAY: AUG. 30 -**
11:00 A.M. - THE PK'S
4-7-9 P.M. - THE RONNIE PROPHET SHOW
6:00 P.M. - 4-WHEEL DRIVE PULL

***ROUTE DIRECTIONS***

How to get to the West End Fair

Off Penna Turnpike (Exit 34) take Route 209 North for 14 miles

From Rt 33 - to Rt 209 South - 7 miles

From Rt. 80 to Rt 115 - South on Rt 209 S

From Rt. 80 to Rt. 715 - South to Rt. 209 S.

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DAILY APPEARANCES BY

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**The Antique Engine, Tractor & Toy Club**

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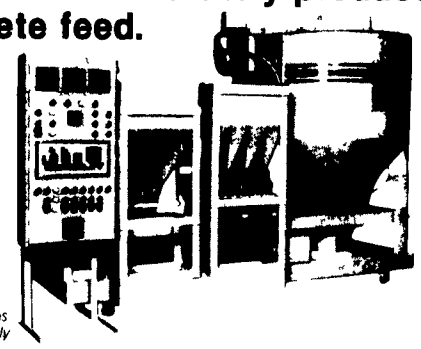

*Produce up to 32 tons per day automatically*

The Prater Blue Streak ' Feed Processing System automatically grinds and/or precisely weighs up to 8 main ingredients and 8 additives into the SuperTwin Spiral Mixer Controls include 50 ration memory, zero tare, perpetual inventory counter (printer available), double lockout protection and power failure protection Entire unit uses less than 20 h p in either single phase or three phase operation Completely automated batch controller

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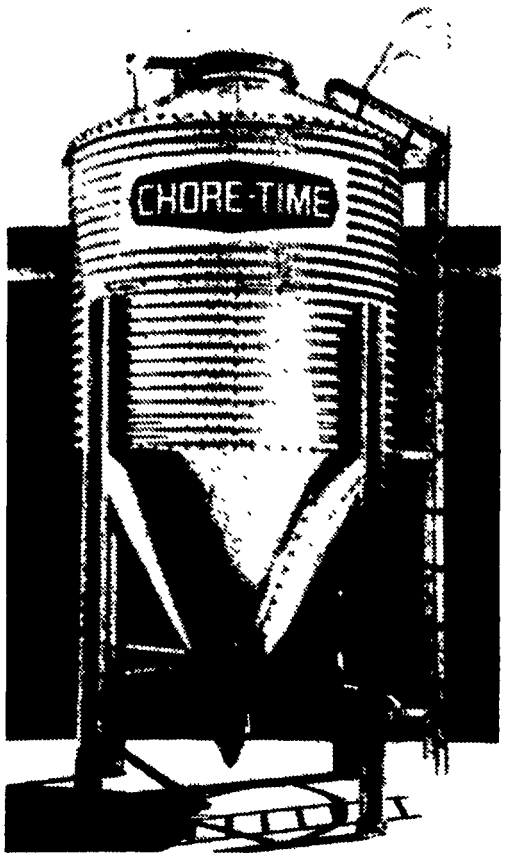


The feed bin is the very heart of any feeding system. If the bin lets you down, the system quits.

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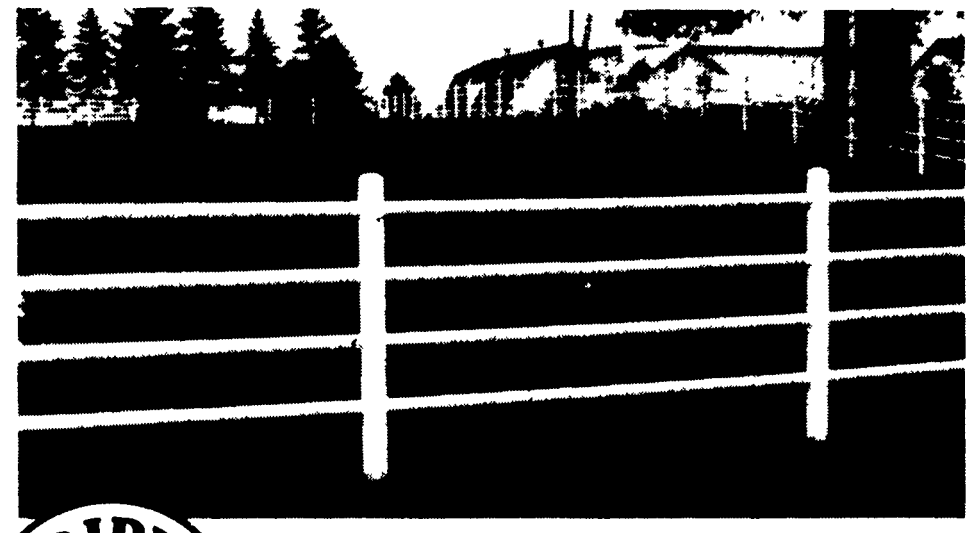

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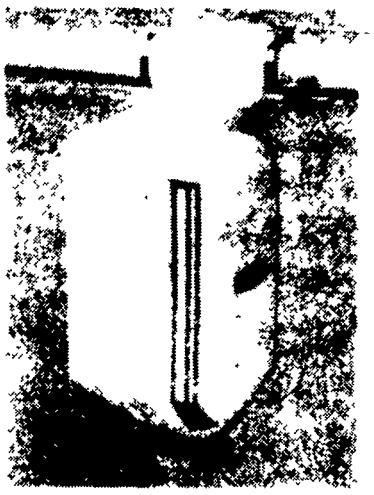

Chore-Time's Drop Feeder is designed for feeding individual cows or sows - and used in groups can feed an entire pen of hogs.

Drop Feeders are made of durable, rustproof polyethylene plastic for feeding either dry ground rations or for use in H.M. corn systems.

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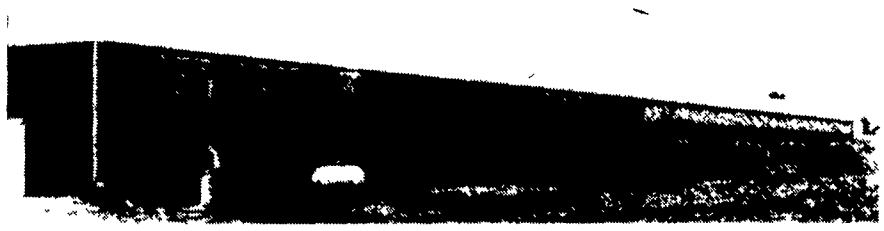
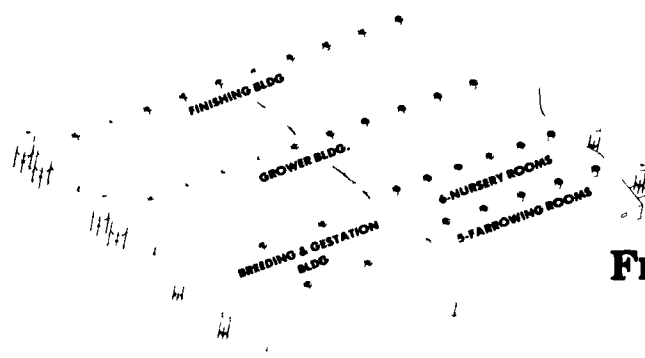


Two Story Turkey House - Side View

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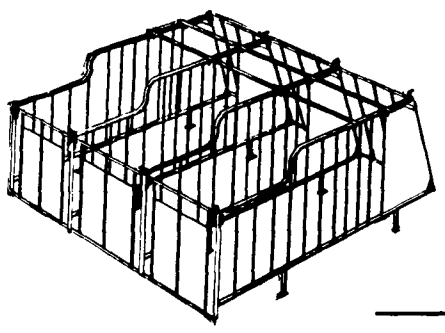

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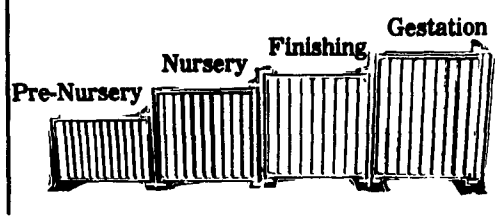


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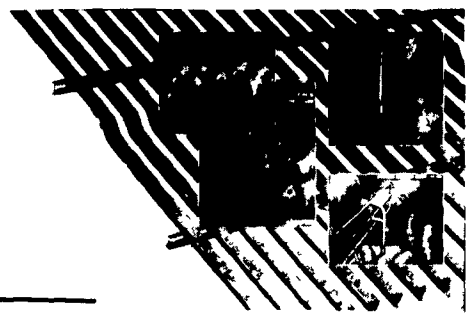

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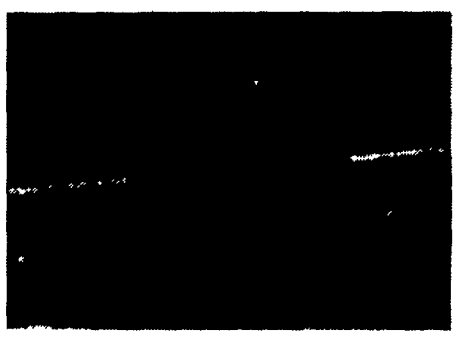

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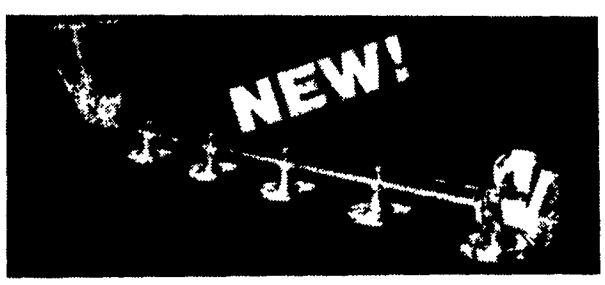


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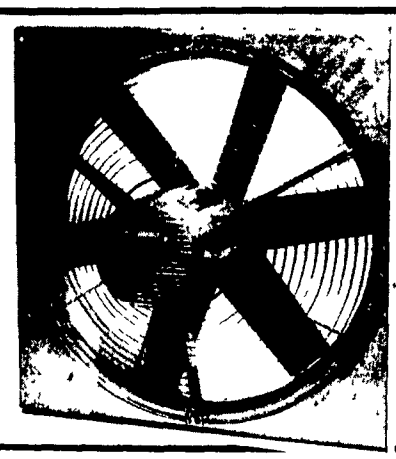

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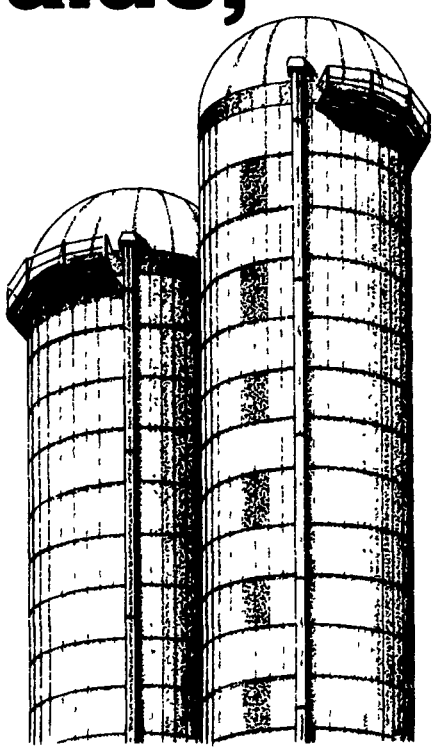

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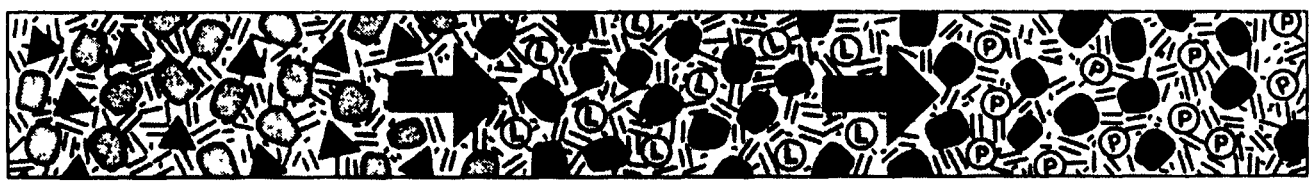

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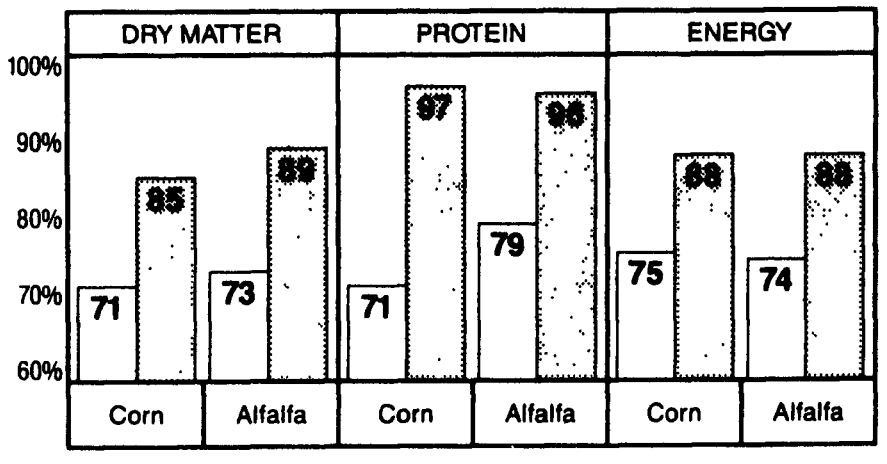


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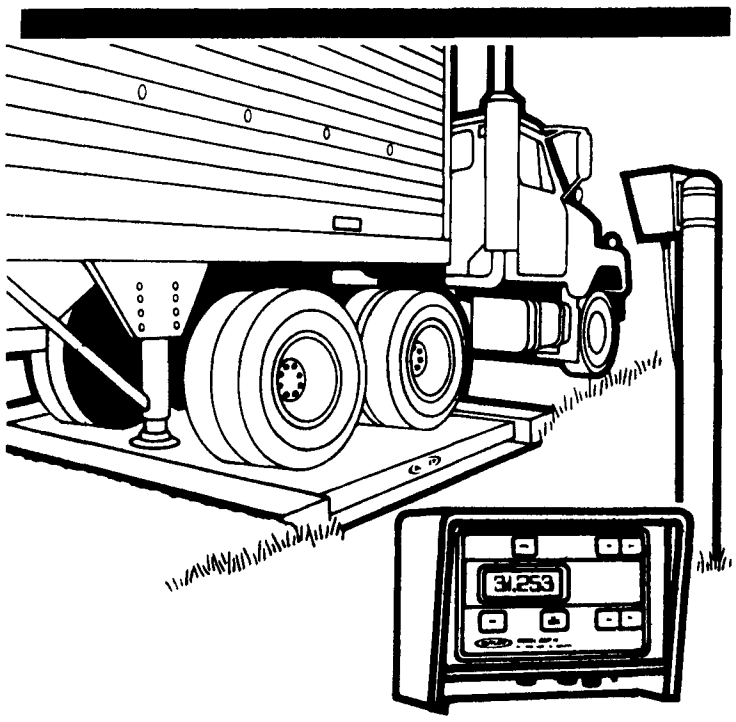

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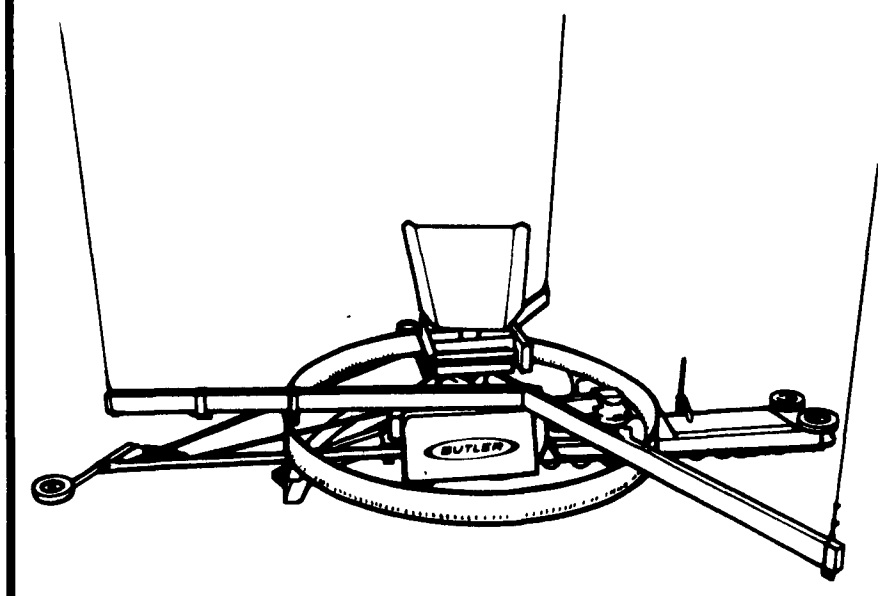

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# August Is A Month For Harvesting And Preserving Garden Bounty

BY SALLY BAIR
Lancaster County Correspondent

LANCASTER — August is the month when many homemakers turn serious thoughts to processing and preserving the harvests of their gardens and orchards for enjoyment in the upcoming winter months. For Esther Sangrey, however, thoughts of preserving are with her even before she plants her garden.

Growing and preserving fruits and vegetables is almost second nature for Esther, who remembers playing house as a small girl and making sure her "houses" had shelves to hold her jars of canned goods. This was a natural reaction to watching and helping her mother can on their Conestoga Center farm.

The wife of E. Elvin Sangrey, Esther now lives in rural Pequea Township and plants a large garden on their half-acre lot. It was after her marriage that she began canning in earnest for her family, which eventually included two daughters.

About 10 years ago, Esther added a new dimension to her canning by deciding to take her finished products to local fairs for competition. She said she had always enjoyed going to the fairs and looking at the canned goods, often thinking to herself that she had things of equal quality at home.

Time has proven her right, as she continues to collect dozens of ribbons at each of the four fairs at which she exhibits: Lampeter, New Holland, Solanco and Manheim. Now, entering in the competition has become a tradition, although Esther says with a laugh, "Each year I say this is the last year I will enter."

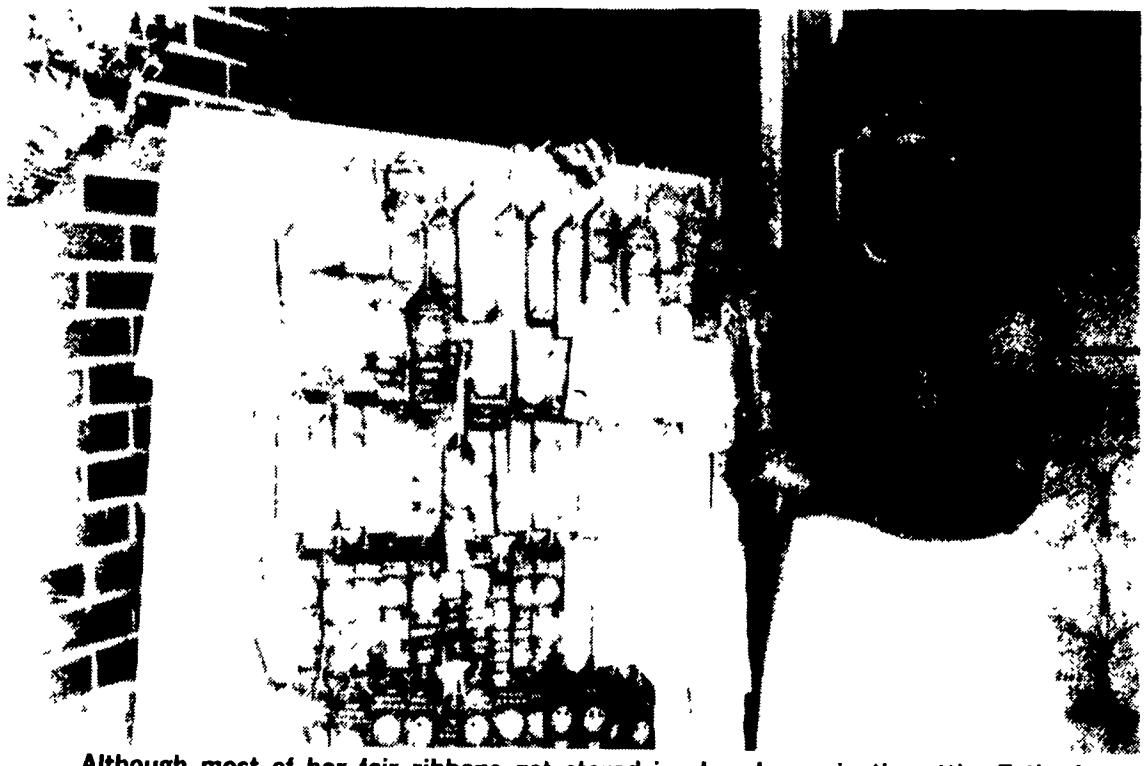
That thought surfaces when she is gathering her vegetables, baked goods and canned food to take to the fair. Esther says, "It's the baked goods that foul me up in the end." She adds, "My car is full when I go." She likes to take cakes, pies and cookies, and chooses at least 25 different varieties of canned goods, including fruits, vegetables and relishes. An additional 10 jars go along to be used in the "display" category.

Esther says, "As the season goes on, the fair is in the back of my mind." It starts with planting, when she choses her favorite varieties, and continues as she harvests them. She says the abundance of moisture has been great for the crops, but still thinks she may not have a lot of fresh vegetables to show because so many are maturing ahead of schedule. The corn which she planted especially for the fair season will be over long before the first fair opens.

In the canning process, Esther admits that these products which are headed for the fair receive special attention. Only the best and the most uniform are selected, and she picks her produce early in the morning. "I like to get right at it," she remarks. Nevertheless, she often finds herself canning late at night, just to get all the work done. The actual preparation is done largely in her basement kitchen, although sometimes both kitchens are pressed into use.

## Homestead Notes

Esther maintains a huge garden to supply the produce she likes to preserve, but she also enjoys having fresh flowers and will display some of those at the fair if the weather cooperates. She admits that once harvest begins, all hoeing and weeding stop for her.



Although most of her fair ribbons get stored in shoe boxes in the attic, Esther's husband, Elvin, made her this cardboard stand to display one year's earnings.

Esther adds, "I go directly to the orchard to pick my fruit. That way I know exactly what is in the basket." Her favorite peach varieties for canning are Red Haven and Glo Haven.

She enjoys the fun of the competition and notes, "Each year I do better at the fairs." She attributes her better showing to "learning what the judges are looking for." To help her remember over the years, Esther says, "I keep a notebook to see what I do. I am finding that I do better in canned vegetables."

She adds, "Lampeter is my best fair." In fact, she said she likes the Lampeter Fair because it is the "best old time fair." She has found that many people travel to several fairs as she does, and she has made friends from around the county.

With the large amount of food she displays, Esther often comes home with many, many ribbons which she stores carefully in shoe boxes in the attic. "When I retire, I am going to make them into a quilt," she says with a laugh.

Last year she received a special award for the "Outstanding Entry" at the Solanco Fair, a special surprise for her.

Esther continues to enjoy comparing her produce with other displays at the various fairs and expresses a mild interest in canning some of the more unusual items like spinach and red beet tops. However, she says, "I stick to things I'm going to use or give away." She said she often gives her prize-winning fruit as a hostess or Christmas gift.

In addition to the canning done for fairs, Esther prepares about 200 quarts of fruits for her family's use. Usually about 100 quarts of that will be peaches, something her husband is particularly fond of. She stores her canned goods in the cold cellar they built for that purpose. She said she usually freezes most of her vegetables, but says that when her daughters visit they leave with bags of vegetables.

Her days are not just filled with canning food, though it could be understandable to think so. At least three days a week she does cleaning for others, and in the last 10 years she has developed a business of cooking in other people's homes. She also serves as cook at the family church, Southern Lancaster Grace Brethren Church, where she and her husband serve as deacon and deaconess.

She says, "I like cooking, and I enjoy working in other people's kitchens, once you get the feel of it." She said she has learned to search for what she needs if it is not immediately evident. And although she usually uses recipes suggested by the hostess, she sometimes needs to make something on her own. For those times she says, "I always carry a pack of recipes in my handbag."

Pickles are just one of many relishes Esther likes to prepare in addition to canning fruit. Here she prepares a batch of Crisp Banquet Pickles.

She likes trying new recipes and often meters to her own wide variety of cookbooks. She also likes to look at and use cookbooks where she is preparing meals. And she takes away any mystery about her ability as a cook by saying, "If you can read, you can cook."

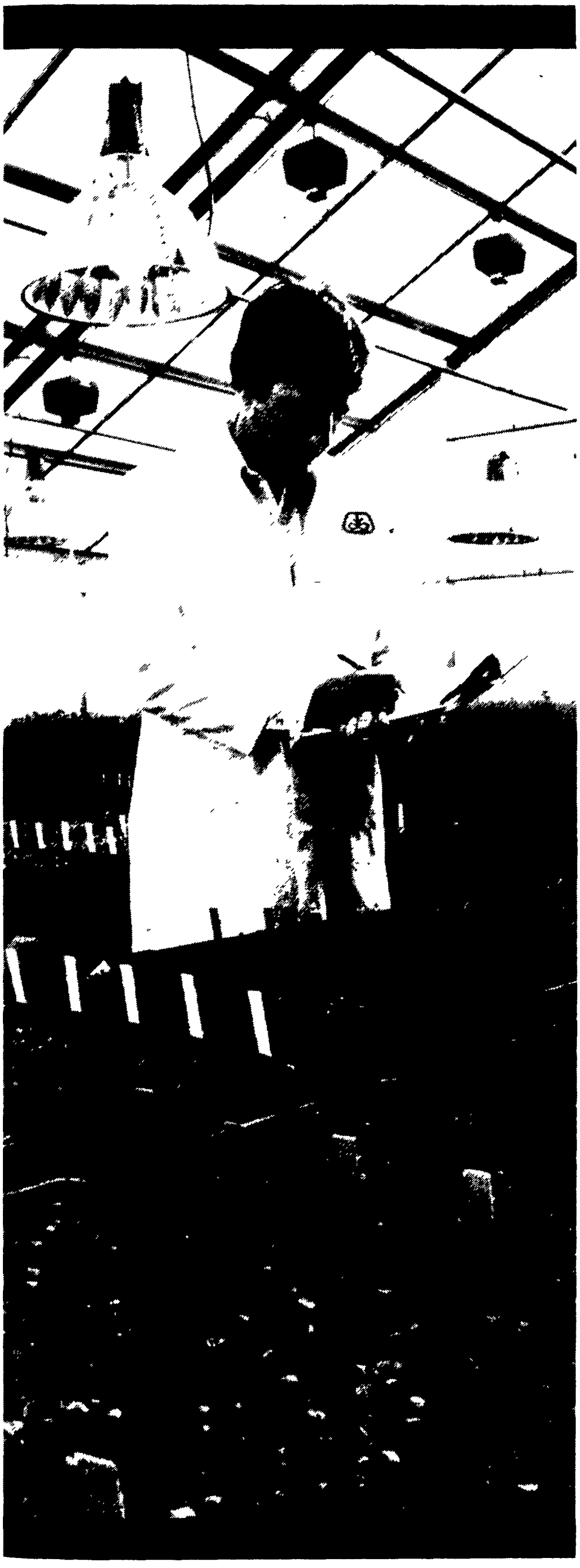
Nevertheless, she has a special touch in the kitchen which has people requesting her skills. She says her venture into cooking for others began "by accident," but now she prepares anything from small wedding receptions to dinners for small groups.

Another sideline for Esther is making wedding cakes. After taking a course in cake decorating from Willow Street Vo-Tech School, she began making cakes. Her first was for a family wedding, but her success has been so great that she now makes about three a month. She said April and May are becoming extremely busy months for weddings.

To help prospective customers choose which wedding cake is perfect for their special occasion, Esther keeps pictures of all the cakes she's ever made. All of her cakes are made from scratch, and she will make any flavor the

(Turn to Page B4)

This array of canned goods is a small representation of the 25 different varieties she will gather to display at local fairs in the fall. Each is carefully packed in wide-mouthed jars and awaits the judge's inspection.



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# Food and Fitness Exhibit Planned for 'Ask The Experts'

UNIVERSITY PARK — No one food can do it all. For good health and fitness, select foods from the four food groups and eat a variety of foods every day. That's advice from a U.S. Department of Agriculture fact sheet you can pick up at Ag Progress Days, August 19-21.

Look for the Food and Fitness exhibit in "Ask the Experts" tent. Penn State Extension agents will be on hand to give you a free bag of information on health, nutrition and fitness. You'll get the latest advice on how to eat a variety of foods, how to murder a vegetable (as well as tips on how not to), and booklets, "Staying Well is Your Responsibility" and "Go for Health," which will help you change your mind about your body.

Extension agents will also be available to answer specific questions on nutrition, fitness and exercise.

Ag Progress Days will be held August 19-21, between 9 a.m. and 5 p.m. at Penn State's Rock Springs Agricultural Research Center on Route 45, nine miles southwest of State College.

## Esther Sangrey Prepares For Fairs

(Continued from Page B2)

wedding couple desires.

She likes to experiment with recipes, but has found delicious cake recipes and doesn't deviate from the tried and true. "I know which recipe I want to use if they ask for a certain flavor. Once I find a good one, I stick with it."

Esther likes to make homemade noodles, which she exhibits at the fair, but started to do it to use up the egg yolks from her wedding cakes and from the frosting.

Her wedding cake service includes making sure the cake is properly situated on the cake table at the reception. She transports it ever so carefully in her car, and then puts it in place, sometimes using a fountain with punch, if so requested.

Flowers for the cake are supplied by the wedding couple, and frequently they are dried flowers or a combination of fresh and dried, Esther says. She also said it is most common for the bride and her mother to come to make the wedding cake selection, though occasionally a groom will help make the decision.

Esther says she has developed her food and cake business so that she can slow down her cleaning business. Both are avocations she can continue to enjoy for a long time.

Her way of relaxing is to go to the mountains or the shore with her husband, and though she was once a sewer, she said she does very little sewing now.


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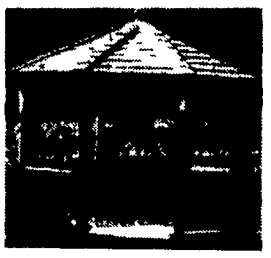

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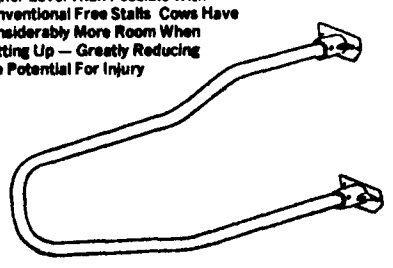

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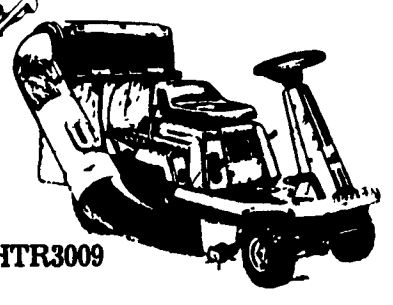

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FWS Calendar

**Saturday, August 16**
Lancaster Society 3 meets for a program on basketweaving by Lynette Jerchau.

**Monday, August 18**
Lancaster Society 31 meets at 7:30 p.m. for a health program.
Lancaster Society 34 meets to hear a speaker from Hospice.

**Tuesday, August 19**
Lancaster Society 6 meets for a flower arranging program.

Lancaster Society 27 meets at 7:30 p.m. for a work project.

**Thursday, August 21**
Lancaster Society 9 meets at Safe Harbor Park for a family picnic at 6 p.m.
Lancaster Society 21 meets at 6:30 p.m. at Colerain Community Park for a family picnic.

# Have You Heard?

**By Doris Thomas**
**Lancaster Extension Home Economist**

**Summer Squash Are Good Buys**

Summer squash, once considered as a one-season vegetable, is now available in different varieties year round. During the summer and early fall, the largest supply of squash appears as yellow summer squash, zucchini, cocozelle, and white patty pan or scallop.

Squash — relatives of pumpkins, gourds, cucumbers, muskmelons, and watermelons — add flavor, texture, and variety to summer menus.

White bush scallop is shaped like a disc, has scalloped edges, and is a greenish white. By the time it's a pure white, the squash is too mature for good eating. The scallop is some times called patty pan.

Italian zucchini and cocozelle are cylinder-shaped and fairly straight. In the markets, cocozelle has more pronounced white stripes and is a little larger than zucchini. Both are dark green with light green stripes. These are often sold individually. Even if these squash are large they will be tender because they're fast growers.

Yellow summer squash is shaped like a bowling pin and may be either straight-neck or crookneck. It should be a delicate or light yellow. If deep yellow, it is too mature and likely to be tough.

All summer squash are fast growing. It takes only four to six days for a tender squash to develop. Summer squash must be picked before the skins and seeds toughen because you don't remove the seeds or peel them when you eat summer squash. That's one difference between the summer and winter varieties.

Because you eat the seeds and rind of summer squash, select ones with tender skin of good color. Squash should be heavy for its size and free from bruises. Small to medium sizes are most desirable.

When you prepare squash, cut in thin slices or cubes. Squash contains a lot of water so add just a small amount of water to the pan. Cook about 5 to 10 minutes or until tender. Season with salt, butter or margarine, and pepper. Check herb charts for a new spice to add, or experiment with the wealth of recipes for this versatile vegetable.

**Know How Much Food To Freeze In One Day**

How much food can be frozen in one day in a home freezer? The maximum should be no more food than will freeze within 24 hours.

The cubic capacity of your freezer is the starting point for figuring out the exact amount you can freeze at one time. Put in no more than two pounds of food per cubic foot of freezer space. For example, a 15-cubic foot freezer should not have more than 30 pounds of unfrozen food added in a single day. Less is better.

Overloading slows down the rate of freezing, causing large ice crystals to form, and draws flavor and nutrients from food. The color and texture of the food will deteriorate faster. Excessive loads of warm food could also cause spoilage.

Freeze food as soon as it is packed. If you are wrapping many packages, keep them in the refrigerator until several are ready to be put into the freezer. Each time the freezer opens, cold air escapes. For fastest freezing, follow the freezer manufacturer's directions on food placement carefully. The right spot in one freezer may be the worst spot in another.

After freezing, packages may be stored closer together. Add the name of food, date, type of pack, if the food is packed in more than one form, and amount frozen to your frozen food inventory.

When freezing packages, stack all the same kind of food together. For example, all the meat should be in one area, vegetables in another.

Rectangular or square containers with straight or square sides usually work best for freezing because they stack easily and fit compactly side-by-side.


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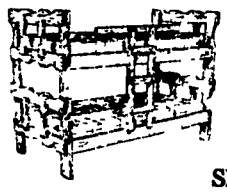

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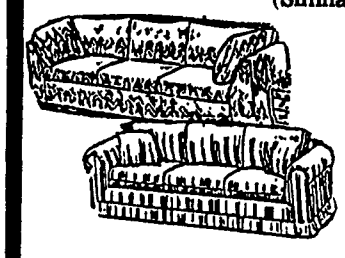

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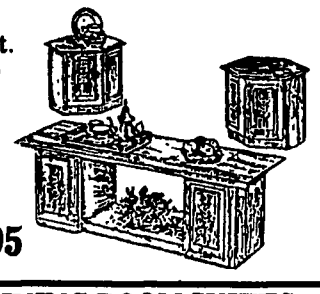

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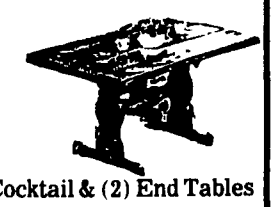

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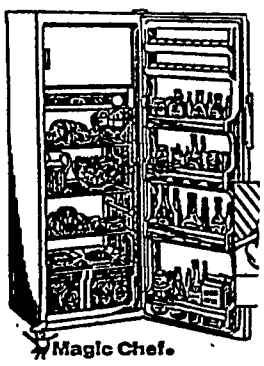

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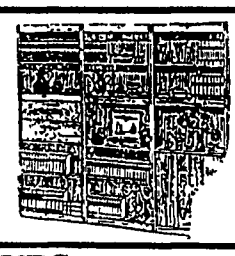

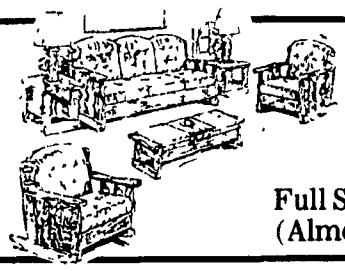

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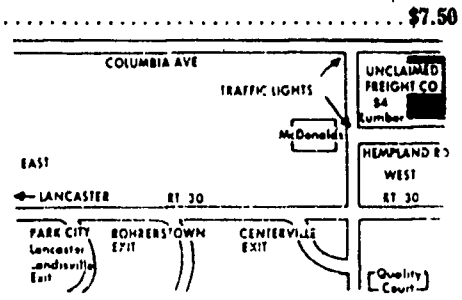


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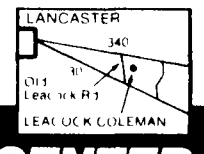


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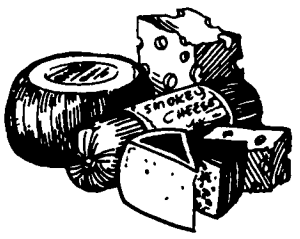
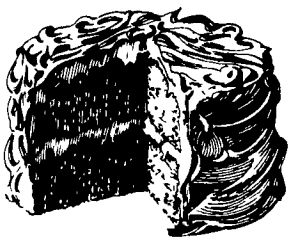



# Home On The Range



## Turn Fresh Fruit Into Homemade Jam And Jelly

A row of gleaming jars of freshly-made jam proudly displayed on the kitchen counter can bring joy to a work-weary homemaker. There is something about the rich, natural colors of homemade jams and jellies that uplifts the spirit.

Featuring summer's finest fruits, jellies and jams made from time-honored recipes make delightful hostess gifts year round and are special stocking stuffers at Christmas time.

But jams and jellies aren't just for giving. They are a special part of country breakfasts and taste great on bagels, toast and peanut butter sandwiches.

Below are some of our readers' favorite jam and jelly recipes. I hope you will take time out of your busy harvest schedule to try a few. You may even want to enter your prettiest — and tastiest — in the local fair!

### BERRY JAM

4 cups crushed berries
3 cups sugar
¼ teaspoon salt

Rinse berries under cool running water. Drain, crush and measure berries into kettle. Stir in sugar and salt. Cook over low heat until juice runs freely, then boil rapidly. Cook, stirring frequently, until jam thickens. Skim off foam quickly. Pour hot jam to 1/8 inch of top of jar. Wipe top and threads of jar; seal. Process in boiling water bath for 10 minutes to complete seal. All varieties of berries may be used.

**Eva Southard**
**Glen Rock**

### PEACH JELLY

6 cups chopped peaches (not scalded)
6 cups sugar
1 cup drained, crushed pineapple
2 small boxes strawberry gelatin

Mix sugar, pineapple and peaches together. Cook over low heat until peaches are done. Remove from stove, mix in gelatin until completely dissolved. Put in jars right away and seal with boiled lids.

**Francis Hanlin**
**Mt. Storm, W. Va.**

### MOCK RASPBERRY JELLY

2 cups boiled beet juice
4 cups sugar
1 package fruit pectin
1 package raspberry gelatin

Boil beet juice and fruit pectin. As it comes to a full boil, add sugar and gelatin. Boil 7 minutes. Put in jars.

**Mary Stoltzfus**
**Kirkwood**

### GRAPE BUTTER

1 quart grapes
1 pint sugar
3 tablespoons water

Cook together 25 minutes. Put through a colander. Put in jars and seal.

**Charlotte Caule**
**Boswell**

### HEAVENLY JAM

5 cups rhubarb
5 cups sugar
1 20-ounce can crushed pineapple

Mix all together. Boil hard for 20 minutes. Remove from stove and add 2 3-ounce packages strawberry flavored gelatin and stir until gelatin is dissolved. Put in jars, seal or cover with paraffin wax. Makes 4 pints.

**Juanita Linthicum**
**Boyds, Md.**

### RHUBARB JELLY

5 cups rhubarb, cut into small pieces
4 cups sugar

Simmer until it draws juice, then boil one minute. Add one 3-ounce box strawberry gelatin and red food coloring if desired.

**Mrs. Aaron B. Martin**
**New Holland**

### VIOLET JELLY

1 cup violet blossoms (packed tightly)
¾ cup water
2 tablespoons lemon juice

Blend to a paste and add: 2 cups sugar and blend slowly. Stir one package fruit pectin into ¾ cup water. Bring to a boil and boil 1 minute. Blend with other ingredients for 1 minute. Pour into clean jelly glasses and freeze when cooled. This jam also keeps for 3 weeks in the refrigerator without freezing.

**Mrs. Aaron B. Martin**
**New Holland**

### PUMPKIN BUTTER

3½ cups mashed cooked pumpkin
1 tablespoon pumpkin pie spice
4½ cups sugar
1 box fruit pectin

Measure the pumpkin into a large saucepan. Measure sugar; set aside. Add spice and fruit pectin to the pumpkin and mix well. Place over high heat and stir until it comes to a hard boil. Add sugar and stir. Bring to a full rolling boil and boil hard for one minute stirring constantly. Remove from heat. Ladle quickly into glasses. Cover at once with 1/8 inch paraffin. Makes about 5½ cups.

**Susan Moyer**
**Denver**

### CORN COB JELLY

12 corn cobs (washed and broken)
3 pints water

Boil cobs in water for 30 minutes. Strain liquid with cheese cloth. Three cups of juice are needed; add more water if necessary. Add 1 box fruit pectin and bring to a rolling boil. Add 3 cups sugar and boil 2 to 3 minutes. Pour into jelly glasses and seal. Tastes like apple jelly.

**Mrs. Chester Warren**
**Chester Springs**

### PEACH BUTTER

4 pounds peaches
½ cup water
Sugar
2 teaspoons ginger
½ teaspoon ground cloves
Juice of 1 lemon

Peel, quarter and remove pits from peaches. Place in slow cooker with water. Cook on low for 8 to 10 hours. To simplify, substitute water-packed peaches that have been drained.

Puree fruit in blender. Add ½ cup sugar per cup of pureed fruit. Add remaining ingredients. Return to slow cooker. Cover and cook on low for 8 to 10 hours. Remove cover for last half hour of cooking. If thicker butter is desired, leave cover off entire cooking time.

Seal in preheated jelly jars with preheated lids.

**Deb Dickey**
**Mill Hall**

### APPLE BUTTER

6 pounds apples
Water to almost cover apples
Sugar
2 teaspoons ground cinnamon
½ teaspoon ground cloves
Juice of 1 lemon

Peel, quarter and remove core and seeds from apples. Place in slow cooker with water. Cook on low for 8 to 10 hours.

Puree fruit in blender. Add ½ cup sugar per cup of pureed fruit. Add remaining ingredients. Return to slow cooker. Cover and cook on low for 8 to 10 hours. Remove cover last half hour of cooking. If thicker butter is desired, leave cover off entire cooking time.

Seal in pre-heated jelly jars with pre-heated lids.

**Deb Dickey**
**Mill Hall**

### FRESH STRAWBERRY JAM

2 cups prepared fruit (about 1 quart fully ripe strawberries)
4 cups sugar
¾ cup water
1 box fruit pectin

First prepare the fruit. Stem and thoroughly crush, one layer at a time, about 1 quart strawberries. Measure 2 cups into large bowl or pan.

Then make the jam. Thoroughly mix sugar into fruit; let stand 10 minutes. Mix water and fruit pectin in small saucepan. Bring to a full boil and boil 1 minute, stirring constantly. Stir into fruit. Continue stirring 3 minutes. A few sugar crystals will remain. Ladle quickly into scalded containers, filling to within ½ inch of tops. Cover at once with tight lids. Let stand at room temperature 24 hours; then store in freezer. Small amounts may be covered and stored in refrigerator up to 3 weeks. Makes about 4¾ cups jelly.

Putting up your own homemade Fresh Strawberry Jam is easy with a simplified no-cook recipe.

### PEAR JAM

4 cups prepared fruit (about 2¾ pounds fully ripe pears and 1 medium apple)
1 teaspoon ascorbic acid crystals
¼ teaspoon cinnamon
3¼ cups (1 pound 7 ounces) sugar
1 package light fruit pectin

First prepare the fruit. Peel and core about 2¾ pounds pears and 1 apple. Finely chop or grind. Measure 4 cups into large bowl. Add ascorbic acid crystals and cinnamon.

Then prepare the jam. Measure sugar. Combine pectin with ¼ cup of the sugar. Gradually add pectin mixture to fruit, stirring vigorously. Set aside for 30 minutes, stirring occasionally. Gradually stir in sugar until dissolved. Ladle quickly into scalded containers. Cover at once with tight lids. Let stand at room temperature overnight; then store in freezer. Small amounts may be covered and stored in refrigerator up to 3 weeks. Makes 5½ cups or about 7 containers.

Note: To prevent pears from browning while preparing, place in cold water; drain and pat dry before chopping.

### TUTTI-FRUITTI JAM

1 cup diced fresh peaches
1 cup diced fresh pears
1 cup sliced strawberries
1 can crushed pineapple, drained
1 can mandarin oranges
3 tablespoons frozen orange juice concentrate
2 tablespoons lemon juice
1½ packages fruit pectin
1 tablespoon margarine
6 cups sugar

The fruit and juice should measure 6 to 6½ cups. Place in large kettle. Add pectin and margarine. The margarine reduces foaming. Bring to a full boil and mix well. Add sugar all at once; bring to a full boil while stirring constantly and boil 2 minutes. Remove from heat and stir 3 minutes more before ladling into jars. Pour into hot sterilized canning jars and seal. Process 10 minutes in boiling water bath.

**Nancy Kramer**
**Newmanstown**

## Recipe Topics

If you have recipes for the topics listed below, please share them with us We welcome your recipes, but ask that you include accurate measurements, a complete list of ingredients and clear instructions with each recipe you submit Send your recipes to Sue Keene, Lancaster Farming, P.O Box 366, Lititz, PA 17543

| | |
|---|---|
| August 23- | Summertime Casseroles |
| 30- | Zucchini |
| September 6- | Brown Bag Lunches |

## Featured Recipe

This week's featured recipe comes from 1985-86 Pennsylvania Poultry Queen Stephanie Yost. During the past year, Stephanie has spent a lot of time promoting poultry products in classrooms and to farm and and non-farm groups as poultry queen. Last week, Stephanie crowned the new Lancaster Poultry Queen and the Adams County Poultry Queen, who automatically becomes the state queen. Look for stories on both new queens in this section.

The following Turkey Barbecue Sandwich recipe comes from a pamphlet of recipes Stephanie distributed throughout her year as poultry queen

**Turkey Barbecue Sandwich**

4 cups chopped cooked turkey
¼ cup onions, chopped
1 cup catsup
½ cup water
2 tablespoons brown sugar
½ teaspoon salt
Dash of pepper
2 tablespoons vinegar
3 tablespoons Worcestershire sauce
½ teaspoon mustard
½ cup chopped celery

Cook onions until soft. Add remaining ingredients and simmer about 20 minutes. Stir in turkey and serve on buns

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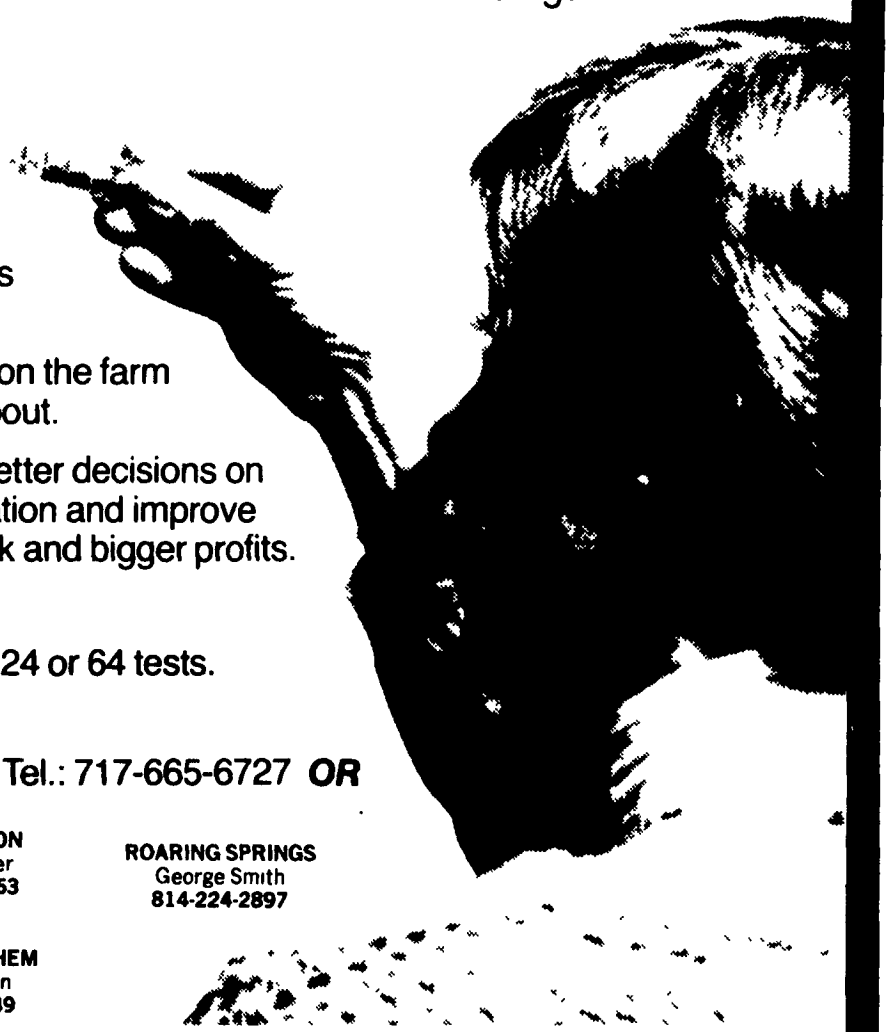

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***IF YOU NEED TO KNOW NOW.***

# Cook's Question Corner

**If you are looking for a recipe but can't seem to find it anywhere, send your recipe request to Cook's Question Corner, care of Lancaster Farming, P.O. Box 366, Lititz, Pa. 17543. There's no need to send a SASE. If we receive an answer to your question, we will publish it as soon as possible.**

**Answers to recipe requests should be sent to the same address.**

**QUESTION** - Mrs. Delores Buhite, Reynoldsville, would like a recipe for blackberries wrapped in dough, sealed tight and dropped in boiling water. She needs the recipe for dough and how long to cook it.

**QUESTION** - Dorothy S. Riesterer, New Providence, would like a recipe for crabapples that are placed in a crock with red cinnamon candies and slowly baked, then put up in jars.

**QUESTION** - Connie Garrison, Dividing Creek, N J., would like a recipe for tomato butter or tomato jelly

**QUESTION** - Nancy Kramer, Newmanstown, would like a recipe for tomato catsup that gets thick like the catsup you buy

**QUESTION**- Beverly Reiner, Pitman, would like a recipe for Chicken Monterey using deboned chicken breasts with a type of barbecue sauce.

**QUESTION**- Donna Lencoski, Latrobe, would like a recipe for "Chunkies," a type of sweet-tart pickle that has seeds removed, allowing you to use older cucumbers.

**ANSWER** - Betty Biehl, Mertztown, requested recipes for chocolate and vanilla fudge. Thanks go to Kathryn Byler, Belleville, for sharing her white fudge recipe and to Anna E. Zerr, Geigertown, for her chocolate fudge recipe

**Chocolate Fudge**

1 pound confectioner's sugar
3 tablespoons cocoa
½ pound melted butter or margarine
Stir together and add.
1 teaspoon vanilla
1 cup chunky or smooth peanut butter
Mix well and put in pan in refrigerator Note. This keeps in refrigerator several weeks if well covered.

**White Fudge**

1⅓ cups white sugar
½ cup butter
⅔ cup cream
1/8 teaspoon salt
½ pound white chocolate, chopped fine
2 cups miniature marshmallows
½ teaspoon vanilla
Dipping chocolate
. Cook first four ingredients without stirring, to 238° F Remove from heat and add next 3 ingredients Blend well Pack into a 9-inch square pan. When partially cool, cut into squares. Other colors of chocolate (pink, yellow, green, butterscotch) may be used instead of white, adding appropriate flavorings, fruits or nuts. The fudge can be packed in pans and cut in squares or bars, or rolled in rolls and sliced, then dipped in chocolate. Makes approximately 60 pieces.


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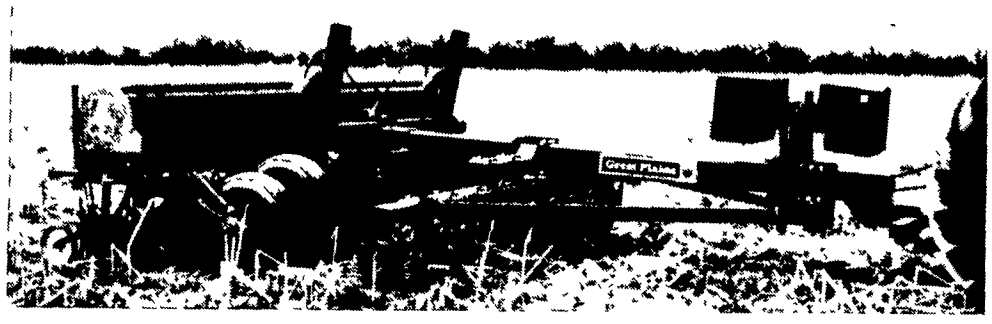

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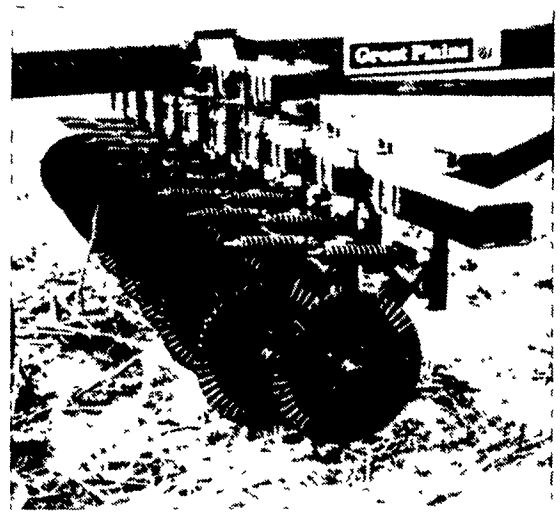

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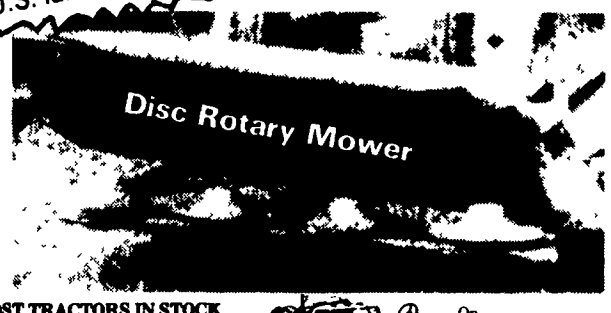


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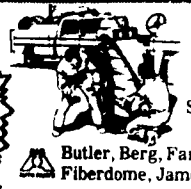
Belarus — Made by the purchaser's of millions of tons of U S farmers' grain

Belarus



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| 505 | 70 | $10,995 |
| 520 | 70 | $12,650 |
| 560 4WD | 70 | $11,859 |
| 562 4WD Cab | 70 | $13,679 |
| 611 | 60 | $11,385 |
| 800 | 85 | $10,985 |
| 820 | 85 | $13,995 |
| 822 4WD Cab | 85 | $15,995 |
| 920 4WD Cab | 100 | $18,150 |
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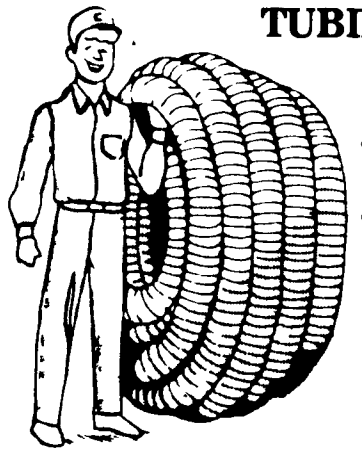

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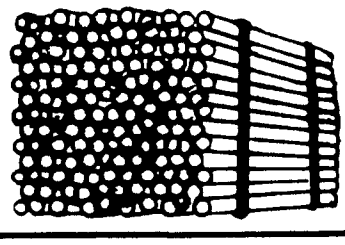

Hoosier
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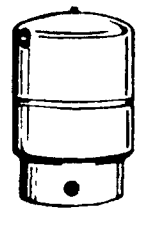

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|---|---|---|---|---|---|---|---|---|---|
| 4"x4" | 4.15 | 7.05 | 8.15 | 8.85 | 10.19 | — | — | — | — |
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ASSOCIATION GRADE STAMP

| | 1/4" | 3/8" | 1/2" | 5/8" | 3/4" |
|---|---|---|---|---|---|
| GIS EXTERIOR YP | — | 9.99 | 12.25 | 15.09 | 17.39 |
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| T&G UNDERLAY | — | — | — | 13.79 | 14.85 |

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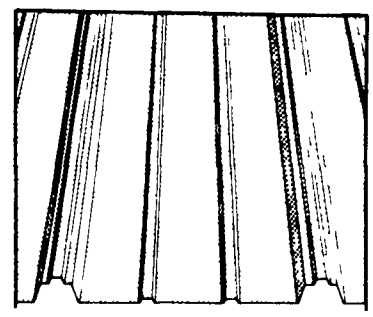

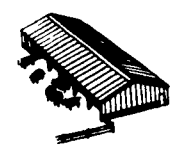

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- Standard, self-sealing shingles

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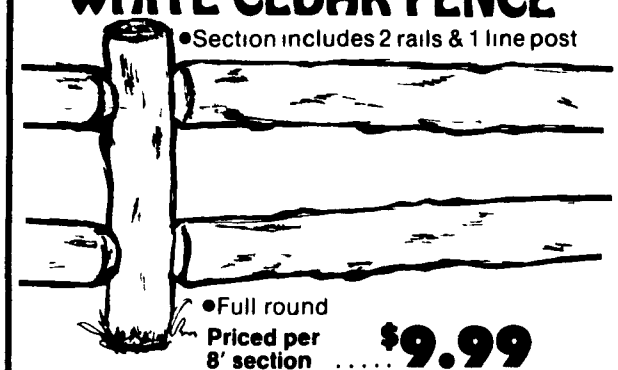
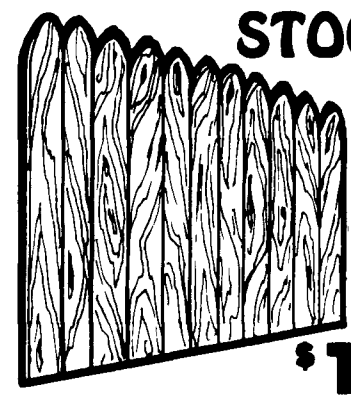
- Section includes 2 rails & 1 line post



- Full round

**Priced per 8' section ..... $9.99**



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- 6' x 8' pre-assembled sections

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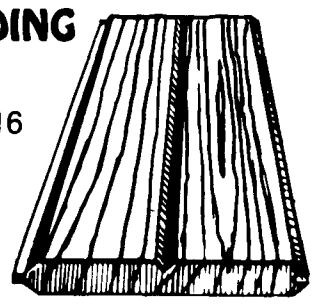

**33¢**
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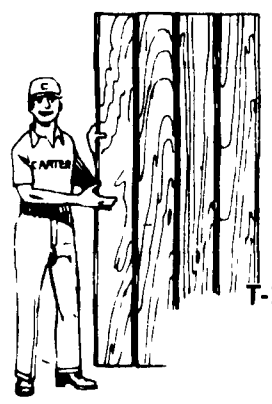

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|---|---|---|---|---|---|---|---|
| 2"x4" | 1.53 | 2.10 | 2.49 | 2.88 | 3.40 | 4.09 | 4.55 |
| 2"x6" | 2.40 | 3.00 | 3.60 | 4.20 | 4.80 | 6.21 | 6.90 |
| 2"x8" | 3.68 | 4.60 | 5.52 | 6.44 | 7.36 | 8.88 | 9.87 |
| 2"x10" | 5.27 | 6.58 | 7.90 | 8.95 | 9.95 | 12.30 | 13.67 |
| 2"x12" | 6.46 | 8.08 | 9.70 | 11.31 | 12.93 | 14.90 | 16.56 |

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CARTER 1986

# Kid's Korner

## Snoring Is No Joking Matter

WASHINGTON — Cartoonists and comedians still get a lot of mileage out of snoring, but for millions of people it's no laughing matter.

Besides straining marriages and endangering friendships, snoring can be deadly serious. A severe form, known as sleep apnea, leaves people exhausted the next day and in extreme cases can cause death.

During periods of sleep apnea, breathing is totally obstructed for periods of a few seconds to more than a minute. Threatened by the lack of oxygen, the sleeper partially awakens, tightens up flabby throat tissues, and, with a loud snorting sound, takes a big gulp of air.

"This can happen as many as 300 times a night," says Dr. David N. F. Fairbanks, a clinical professor who does ear, nose, and throat surgery at George Washington University Hospital in Washington.

**Dangerous Malady**

"Because the heart beats irregularly during these episodes, people with heart problems and lung disorders such as emphysema are at serious risk," says Fairbanks. "We think that as many as 3,000 Americans may die each year from the disorder."

Far more prevalent are the millions of people who, because of the problem, never get a good night's rest. They constantly fall asleep on the job or, even worse, behind the wheel of a car or truck.

"I never believed my wife when she told me I had a serious sleep problem," one patient told Fairbanks. "Then one day I was taking my Boy Scout troop on a camping trip and started to go off the road. They woke me up just in time."

Dr. Richard E. Waldhorn, a pulmonary specialist at the Georgetown University School of Medicine in Washington, says his secretary can usually diagnose people suffering from sleep apnea just by observing them in his waiting room.

"Many of them are so pooped they fall asleep while trying to fill out their medical information forms," says Waldhorn.

In contrast, children suffering from the disorder are usually hyperactive during the day. They become anti-social, get into fights, and have trouble learning and concentrating at school.

"Removing the tonsils and adenoids usually does wonders for these kids," says Fairbanks. "A tremendous change usually takes place after this relatively simple operation, because removal of the bulky structures improves the airways."

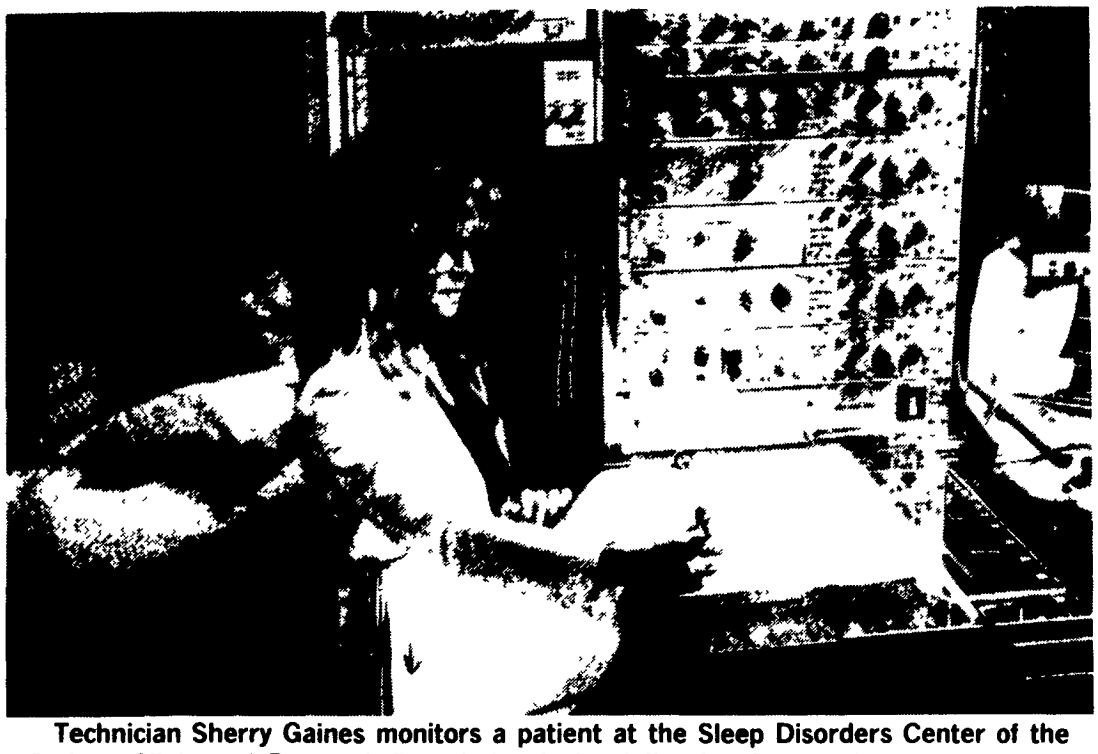
**More Serious for Adults**

Curing adults is more difficult because the disorder is usually caused by more serious airway obstructions.

In normal snoring, the air flow is partially obstructed in the collapsible part of the airway where the tongue and upper throat meet the soft palate and the uvula, the fleshy structure that dangles from the roof of the mouth back into the throat.

The rumbles, wheezes, and growls that drive bed partners to other rooms occur when these structures strike against each other and vibrate during breathing. The noise stops intermittently during sleep-apnea episodes, because the air is blocked by an excess of tissue in one or more of the airway structures.

In the past few years, doctors have perfected a new surgical procedure that widens and stiffens the throat by removing and tightening tissue in the upper airway.



Technician Sherry Gaines monitors a patient at the Sleep Disorders Center of the Scripps Clinic and Research Foundation in La Jolla, Ca. One of the most common problems encountered at such centers is sleep apnea, a severe snoring disorder characterized by abnormal breathing. Experts estimate about 20 varieties of this fundamental problem affect more than 20 million Americans, sometimes with fatal consequences.

"It's the equivalent of a tummy tuck or a face-lift where you take out the excess and flabby flesh and tighten up the rest," explains Fairbanks. "This procedure has cured about 80 percent of the heavy snorers and half the apnea patients."

For people who don't want surgery or haven't been helped by it, there's a new breathing machine. It directs pressurized air through a face mask to keep the upper airway open. But it, too, can send bed partners scurrying to the guest room. It sounds like a vacuum cleaner.

Serious snorers can easily outdo a vacuum cleaner. One man immortalized in the Guinness Book of World Records recorded 87.5 decibels, louder than a diesel engine in the back of a big bus.

But heavy snorers can take some consolation in knowing that many political leaders also have been noisy sleepers. Winston Churchill was recorded doing 35 decibels, and Benito Mussolini was known as an astounding snorer.

**Roosevelt Disturbed Patients**

At least 20 American presidents are believed to have been loud snorers, says Fairbanks. Theodore Roosevelt probably achieved the most notoriety. During his stay at one hospital, almost every person in his wing asked that the president be moved elsewhere.

Almost half the adults in the United States snore occasionally, and a quarter are habitual. Males and overweight persons make up the majority of snorers, but the noisemaking increases as people get older. By age 60, about 60 percent of men and 40 percent of women snore.

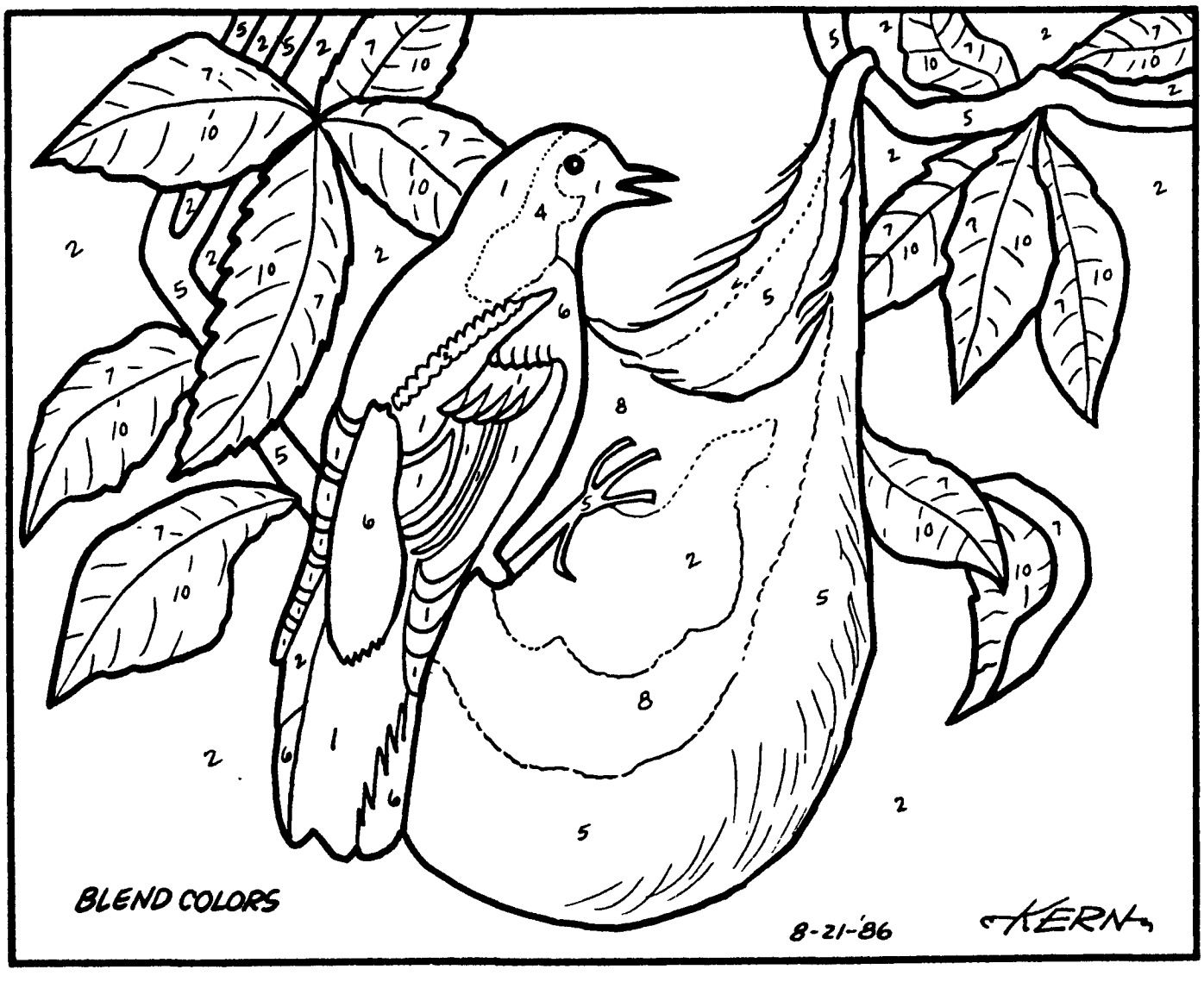
Doctors are convinced that most snorers can be helped without drastic surgery. Some of their suggestions:

Exercise daily to develop muscle tone and lose weight; avoid alcoholic beverages within two hours of bedtime; don't take tranquilizers, sleeping pills, or antihistamines before retiring; sleep on the side rather than on the back; tilt the bed by placing bricks or other objects under the bedposts at the headboard.

## COLOR THIS!

| | | | |
|---|---|---|---|
| 1. | BLACK | 6. | ORANGE |
| 2. | PEACH | 7. | GREEN |
| 3. | YELLOW | 8. | LT. BROWN |
| 4. | BLUE | 9. | LT. BLUE |
| 5. | BROWN | 10. | LT. GREEN |

BALTIMORE ORIOLE - THIS BRILLIANT COLORED MALE IS A SHOWY BIRD. THE FEMALE IS A DULL ORANGE YELLOW WITH TWO PALE WING BARS. THE BULLOCK ORIOLE OF THE WEST IS LIKE THE BALTIMORE BUT HAS ORANGE ON SIDES OF THE HEAD AND OVER THE EYES. THEIR NESTS ARE A WORK OF ART.



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| 18 | 4 | 161 | 6 | 338-540 | 300.00 |
| 8 | 3 | 24 | 4 | 338-362 | 85.00 |
| 9 | 5 | 24 | 4 | 338-370 | 95.00 |
| 11 | 2 | 24 | 4 | 337-978 | 110.00 |
| 11 | 2 | 24 | 6 | 338-397 | 135.00 |
| 12 | 4 | 24 | 4 | 338-400 | 137.00 |
| 12 | 4 | 24 | 8 | 338-559 | 180.00 |
| 14 | 9 | 24 | 4 | 338-419 | 165.00 |
| 13 | 6 | 26 | 6 | 338-451 | 225.00 |
| 12 | 4 | 28 | 4 | 337-994 | 150.00 |
| 13 | 6 | 28 | 4 | 338-001 | 160.00 |
| 13 | 6 | 28 | 10 | 338-591 | 295.00 |
| 14 | 9 | 28 | 4 | 338-427 | 180.00 |
| 14 | 9 | 28 | 6 | 338-478 | 210.00 |
| 16 | 9 | 28 | 6 | 338-486 | 260.00 |
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| 23 | 1 | 30 | 8 | 338-613 | 700.00 |
| 16 | 9 | 34 | 6 | 338-060 | 320.00 |
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| 20 | 8 | 38 | 10 | 338-605 | 625.00 |
| 9 | 5 | 42 | 6 | 338-532 | 220.00 |
| 12 | 4 | 42 | 6 | 338-524 | 270.00 |
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| | | | 8x18 4 Ply | | $100.00 |
| | | | 6x12 4 Ply | | $55.00 |
| | | | 6x14 4 Ply | | $66.00 |
| | | | 7x16 4 Ply | | $95.00 |
| | | | 8x16 4 Ply | | $85.00 |

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| 11 | 2 | 28 | 4 | 304-743 | 117.00 |
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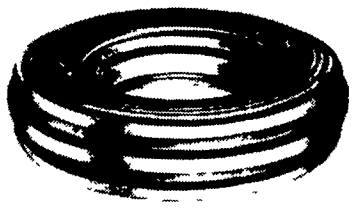
| 11 | 2 | 36 | 4 | 304-808 | 145.00 |
| 12 | 4 | 36 | 4 | 304-816 | 180.00 |
| 12 | 4 | 36 | 10 | 319-872' | 273.00 |
| 13 | 6 | 36 | 4 | 304-824 | 213.00 |
| 11 | 2 | 38 | 4 | 304-832 | 148.00 |
| 12 | 4 | 38 | 4 | 304-840 | 169.00 |
| 12 | 4 | 38 | 6 | 304-921 | 216.00 |
| 750x22 | | | | | 120.00 |



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| 4 00-15, 4 Ply | $ 29.00 |
| 5.00-15, 4 Ply | $ 31.00 |
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| 95L15, 6 Ply | $ 68.00 |
| 95L15, 8 Ply | $ 80.00 |
| 11L15, 6 Ply | $ 70.00 |
| 11L15, 8 Ply | $ 85.00 |
| 550-16, 4 Ply | $ 37.00 |
| 550-16, 6 Ply | $ 40.00 |
| 600-16, 4 Ply | $ 38.00 |
| 600-16, 6 Ply | $ 42.00 |
| 650-16, 4 Ply | $ 47.00 |
| 650-16, 6 Ply | $ 46.00 |
| 750-16, 6 Ply | $ 56.00 |
| 750-16, 8 Ply | $ 62.00 |
| 1000-16, 6 Ply | $ 83.00 |
| 1000-16, 8 Ply | $ 95.00 |
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| 14L-16 1, 6 Ply | $155.00 |
| 7.50-18, 6 Ply | $ 66.00 |
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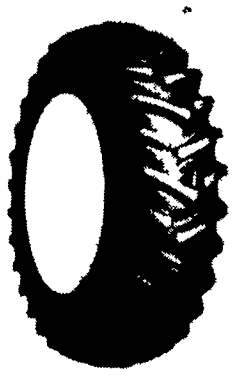

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| 23.1x26 8 Ply | $539.00 |
| 23.1x26 10 Ply | $585.00 |
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**TUBELESS:**

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| N 23 1x26 28Lx26 | |
| 18 4-26 8 Ply | $359.00 |
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| 23 1-26 10 Ply | |
| 28L26 10 Ply | |
| 24 5 32 10 Ply | $739.00 |
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- Deep biting 23° bar angle tread
- Wide tread and large footprint combine to help minimize slippage on loose soil & sod
- Durable radial construction with stabilizer belt plies

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| 16 9R38 6 Ply | | $419.00 |
| 18 4R38 10 Ply | | $529.00 |
| 20 8R38 8 Ply | | $649.00 |
| 20 8R38 10 Ply | | $699.00 |
| 18 4R42 10 Ply | | $539.00 |
| 20 8R42 10 Ply | | $599.00 |
| 24 5R32 | " | $800.00 |
| 30 5LR32 | " | $950.00 |
| 18 4R34 | " | $399.00 |
| 20 8434 | " | $639.00 |
| 23 1R34 | " | $795.00 |
| 16 9R38 | " | $439.00 |
| 18 4R38 | " | $459.00 |
| 18 4R38 | 2" | $529.00 |
| 20 8R38 | " | $649.00 |
| 20 8R38 | 2" | $699.00 |
| 18 4R42 | " | $499.00 |
| 18 4R42 | 2" | $539.00 |
| 20 8R42 | 2" | $599.00 |

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## FORESTRY SPECIAL WIDE TREAD PLY TIRE

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| 18.4X26 10 Ply | $499.00 |
| 23 1x26 10 Ply | $899.00 |
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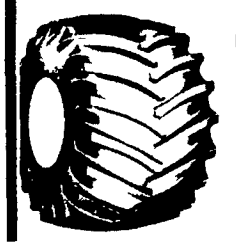
| 24 5x32 12 Ply | $1230.00 |
| 30.5L32 12 Ply | $1499.00 |
| 30.5L32 16 Ply | $1749.00 |
| 18 4x34 10 Ply | $699.00 |



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| 125Lx15 6 Ply | $105.00 |
| 125Lx15 8 Ply | $120.00 |
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| 165Lx161 6 Ply | $220.00 |
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| G78x15 6 Ply | $53.00 |
| H78x15 6 Ply | $60.00 |
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| 23585R16 | E | $125.00 |
| 875R16 5 | D | $115.00 |
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|---|---|---|
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| HR7815LT | C | $88.00 |
| LR7815LT | C | $96.00 |
| 21585R16 | C | $86.00 |
| 21585R16 | D | $90.00 |
| 21585R16 | E | $97.00 |
| 23585R16 | D | $103.00 |
| 23585R16 | E | $110.00 |
| 800R 165 | D | $86.00 |
| 875R 165 | D | $96.00 |
| 950R 165 | D | $106.00 |
| 750R16LT | D | $100.00 |

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| 21585R16 | C | $99.00 |
| 23585R16 | D | $112.00 |
| 23585R16 | E | $118.00 |
| 875x16 5 | D | $100.00 |
| 950x16 5 | D | $112.00 |
| 750Rx16 | D | $106.00 |

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| 700x15 6 Ply | $66.00 |

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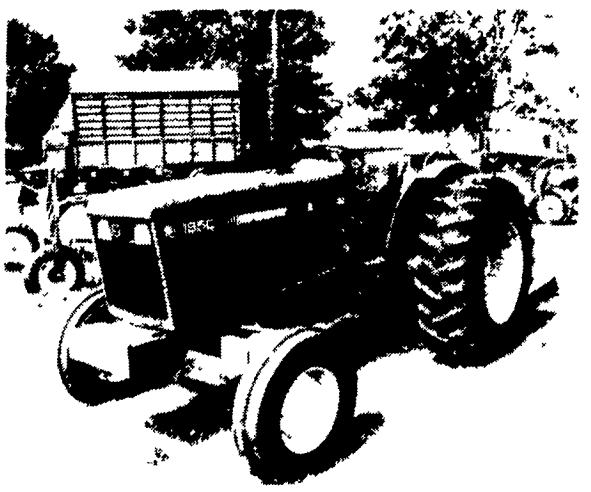
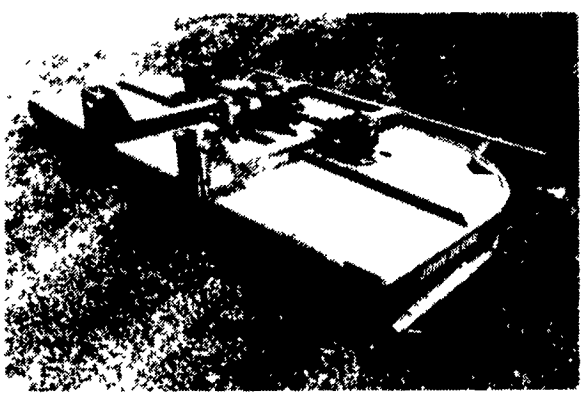


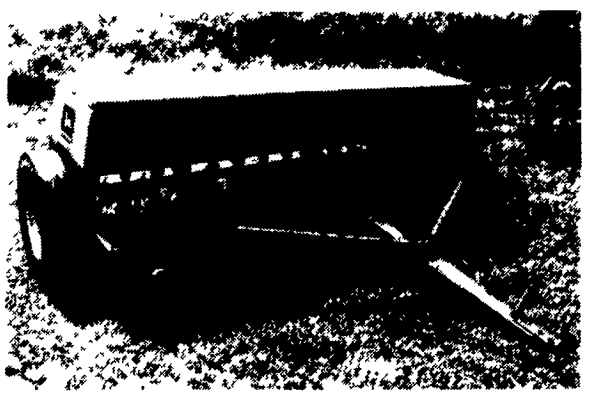
**New JD 1650 Tractor**
**60 PTO Horsepower**

**$13,150***



**New JD 1008 10 Ft.**
**Int. Cutter**

**$3,975***



**New JD 8300 Grain Drill**
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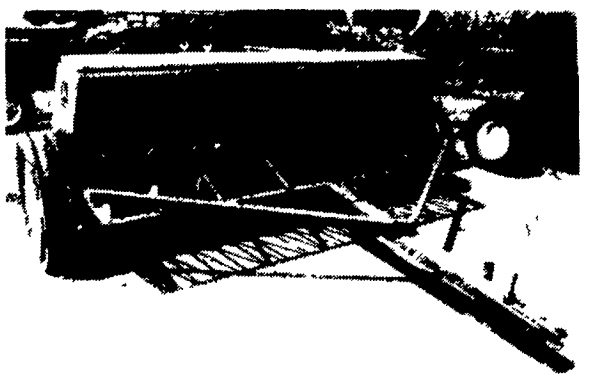
**$4,175***



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**18x7 w/Grass Seed**

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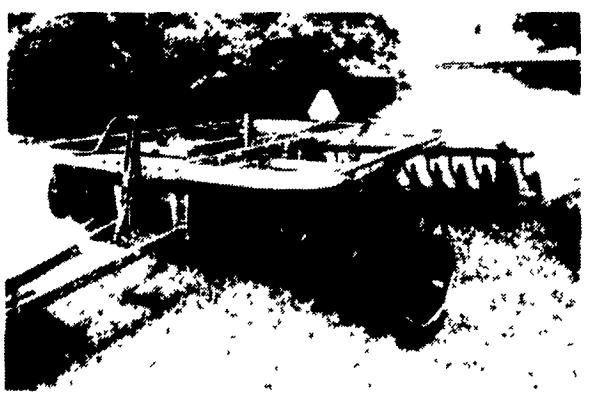

**New JD 215 Dura**
**Cushion Disks**

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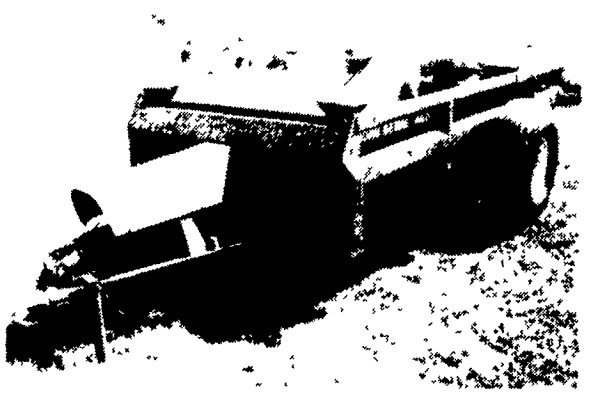

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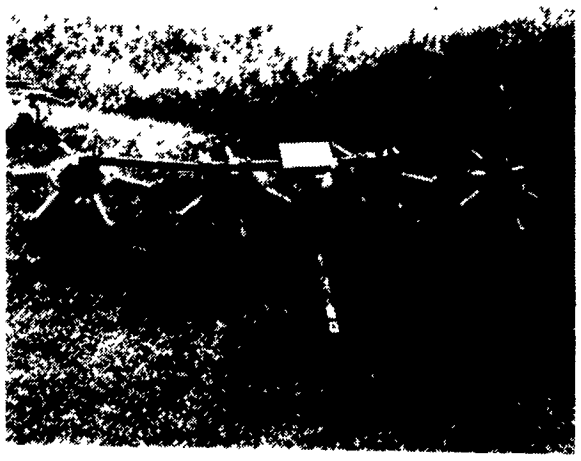
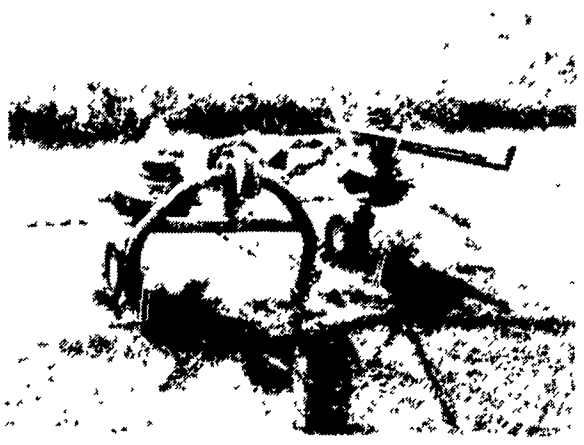
**(All New Items Listed Are Offered At Or Below Cost)**



**Kuhn GF 452 Tedder**
17 Ft. w/2 Speed Gear Box
**$2,550***



**Kuhn GRS 25N Tedder/ Rake**
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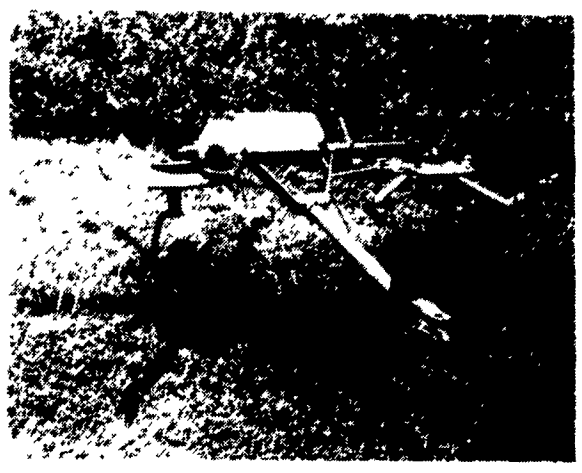

**Kuhn GF 22T Tedder**
10 Ft. 2 In. Two Rotor
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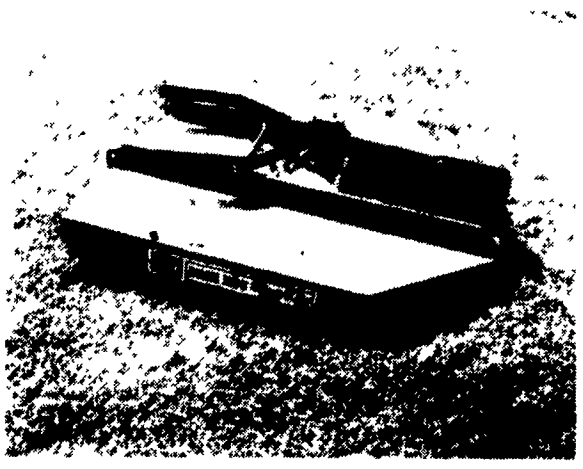

**Bush Hog 60" Squealer Rotary Cutter**
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**Herd 3 Pt. Spreader**
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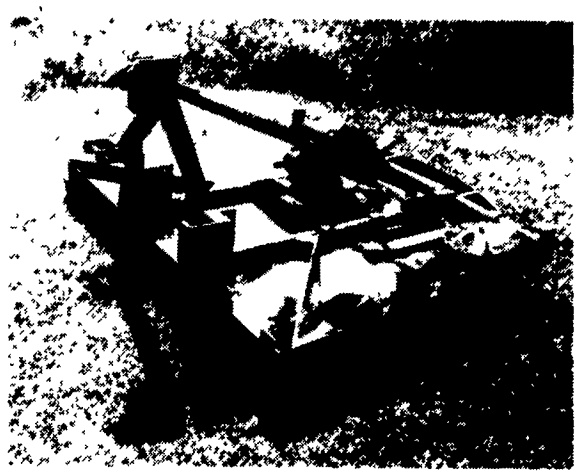
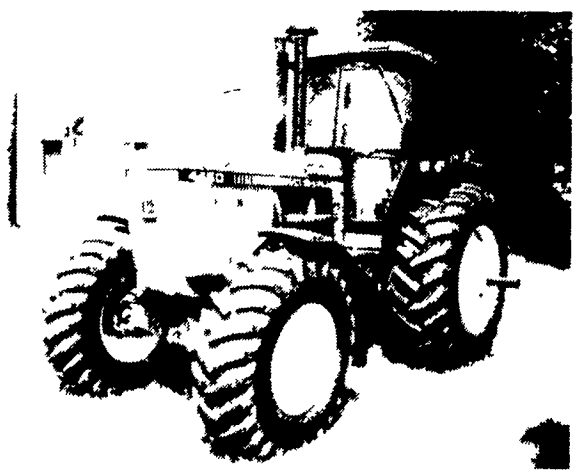
| 780 Manure Spreader | $8,900* |
| JD 1610 8 Ft. Chisel Plow | $2,400* |
| JD 1-Row Forage Head | 1,700* |
| JD 5½ Ft. Pickup | $1,400* |
| JD 415 Rotary Hoe, 6 Row | $2,150* |



**Bush Hog 307 HD 3 Pt. 7' Rotary Cutter**
**$2,350**



**New JD 4450 MFWD Cab, Air, Quad Trans**
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JOHN DEERE

# On being a farm wife - And other hazards

Joyce Bupp

Home, someone once said, is where they have to take you in when you go there. Or something to that effect.

Who first phrased that philosophy I'd hate to have to guess. But it's generally a valid one. At home, we're pretty much loved and accepted, sometimes in spite of ourselves.

Even animals can sense that. Case in point. . .

Last week, we emptied the dairy barn manure storage pit. This entails a sort of "blending" process, in which our stirring and loading auger is backed into the pit, and vigorously churns the contents. It's a necessary preliminary step to the actual emptying process, since the manure waste flows in from the bottom, allowing a fairly rigid crust to form on top. While that crust helps contain odors and provides a handly place for birds to snag insects — and cats occasionally to snag birds — it doesn't flow very handily into a liquid spreader.

Blending mixes the harder crust with the liquified contents beneath, so the whole business can be pumped out into the tank. And — let me assure you — even dairy farm families are never thrilled about the inevitable odors this necessary, periodic, job of livestock farming generates.

But at least the odor usually retreats a bit overnight when the stirring and hauling shuts down.

It was while I was sitting and tying my sneakers, still about half asleep that morning, that I spied on the kitchen floor tell-tale fresh drops of liquid manure.

But why? At this early hour? No one was hauling the stuff; and regular dairy barn "droppings" on the kitchen floor usually arrive in clumps of sawdust, straw, etc.

The farmer's arrival for breakfast shed a bit of light on the drops.

A strong liquid manure odor had assaulted him as he hit the bottom of the stairs on his way to the morning milking. And, while it was still plenty dark in the kitchen, there was just enough light for him to see a small body shaking itself off in the middle of the floor.

He put the puzzle together in an instant: a cat had fallen into the manure pit.

And not just any cat, naturally. This was loveable, tiger-striped, half-house-cat Rhett, who had fled to the house for comfort and consolation, after taking an obviously unexpected plunge in the stirred, uncrusted pit.

After eating, Rhett loves nothing more than being hugged or cuddled. And, comfort-loving pet that he is, Rhett learned long ago how to paw open the basement screen door.

The farmer found him highly unhuggable at that early morning hour, needless to say. The cat got a quick invite to the outside.

When the poor, dripping, forlorn critter was back eyeing the basement door moments later, man opted to lend beast a hand. On his way to the dairy barn, he snagged the smelly, dripping cat and dunked him into a bucket of water in the greenhouse to remove the sticky pit residue.

It was hours before the cat showed his furry face around the house that day. But, when he did get up enough courage to wiggle back into the kitchen, he looked his normal, beautifully-groomed, striped self.

At least until you came within a foot of sniffing distance. A lap cat he wasn't, not for a couple of days, anyway.

In retrospect, the individual who really lucked out, though, was the youngest offspring of this family. He generally shuns his bedroom (it's hard to find a bed in a landfill,

(Turn to Page B15)


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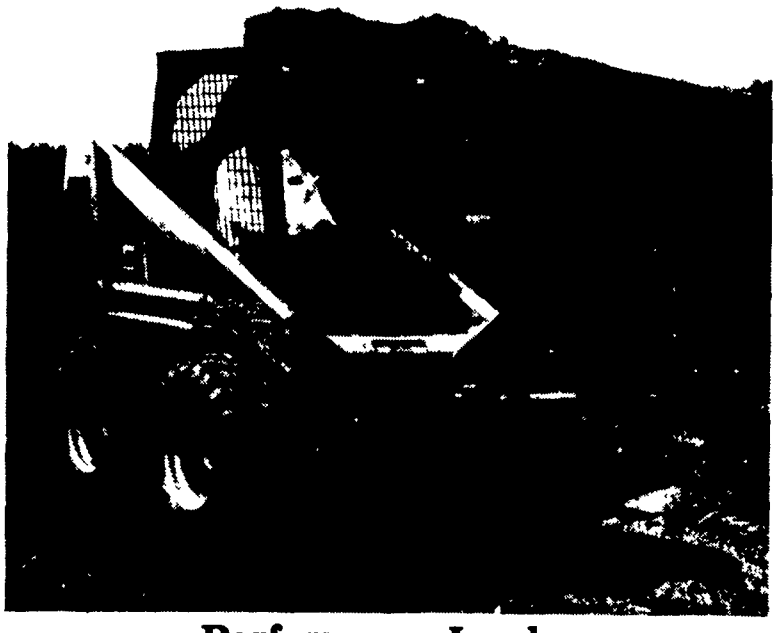

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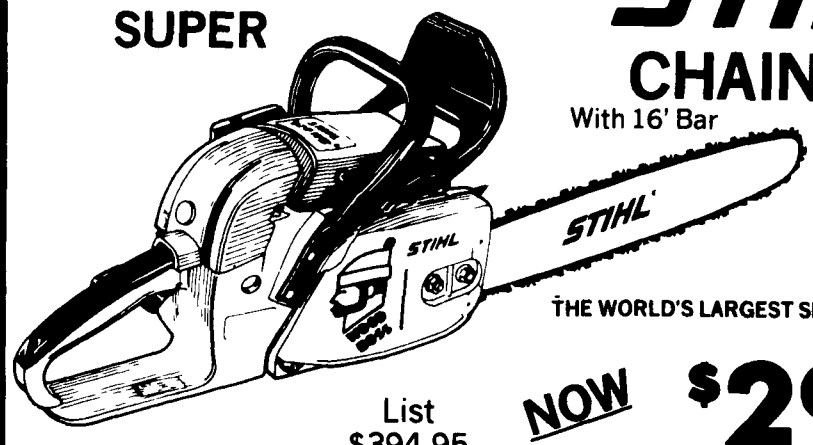


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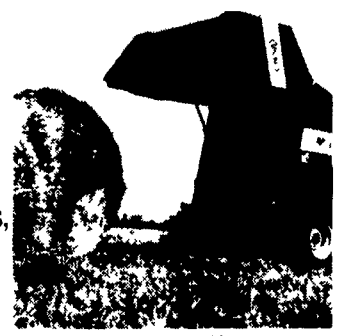

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## *Gospel Show New To York Fair*

YORK – The 1986 York Fair will be off to a flying start with the All Star Gospel Rock Show scheduled for the grandstand at 6:30 p.m. on Friday, Sept. 5.

This show, new to the Fair, will feature five of the leading names on contemporary Christian music. The performers will include Mylon LeFevre and Broken Heart, Phil Driscoll, David & The Giants, Randy Stonehill and Bash-N-The-Code.

Tickets to the All Star Gospel Rock Show are priced at $10 for track and plaza seats, $8 for center grandstand and $7 for grandstand wings. All seats are reserved.

For this concert, the York Fair has developed a special ticket discount for religious groups and organizations who wish to attend.

Tickets may be purchased in person at the York Fair ticket office at 334 Carlisle Ave., York or the Ticket Place in Strawberry Square, Harrisburg.

## On being a farm wife

(Continued from Page B14)

anyway) in the summer to sleep in a cooler spot. Usually, Rhett tracks him down and curls up on the sleeping bag next to the snoozer.

But, the night before the cat's "swim," the kid for some unexplained reason had chosen to sleep in his own bed. We can only hilariously project the results of one soggy, smelly cat curling up next to the face of one sleeping teenager.

True. Home is where they have to take you in when you get there.

But they might make you take a bath before they'll let you inside.

Especially if you take to chasing birds across just-stirred manure pits.


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(All above are guaranteed for 1 year Our DELWEACO brand!)
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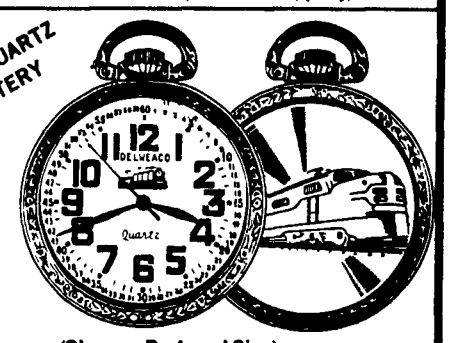
ALL SWISS QUARTZ BATTERY



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August brings plentiful fresh peaches, so here are two peachy desserts to help you enjoy them! These desserts can also be made with canned or frozen peaches during the winter. With a microwave, you can prepare baked desserts such as these without heating up your kitchen on a hot day.

This dark, moist peach cake makes a delicious dessert when served with ice cream. It is good too, as a coffee cake for a special breakfast.

**Peach Streusel Cake**

**Cake:**
1 cup flour
⅔ cup brown sugar
1 teaspoon cinnamon
½ teaspoon salt
½ teaspoon soda
½ cup sour cream or yogurt
1 teaspoon vanilla
1 egg
1½ cups sliced peaches, 2-3 medium

**Topping:**
½ cup chopped walnuts
½ cup coconut
⅓ cup brown sugar
2 tablespoons margarine or butter

1. Put all cake ingredients except peaches in a mixing bowl and beat for 1 minute until smoothly blended. Scrape bowl once.

2. Grease a 9-inch round microwave cake pan on the bottom and spread the batter in the pan. Arrange peach slices in a single layer over the top.

3. In a small bowl, mix the topping ingredients until crumbly. Sprinkle over the top of the peaches.

4. Leave uncovered; Microwave on medium (50,5) for 10 minutes. Then microwave on high for 1 to 3 minutes, until a toothpick inserted in the center comes out clean. Turn the cake a quarter turn very 4 minutes if your oven cooks unevenly (if one side of the cake rises faster than another).

5. Let stand 5 minutes, uncovered. Serve warm, with ice cream if desired. Makes one 9-inch cake.

**Variation:** Substitute thinly sliced apples or other fruit for the peaches.

Fruit cobbler is similar to a deep dish pie, with a rich biscuit topping. From the microwave, the topping is light and tender, but won't brown. With a sprinkling of cinnamon sugar on top, no one notices!

**Peach Cobbler**

2 tablespoons melted butter or margarine, divided
5 cups fresh peaches, sliced (6 to 7 medium)
1 tablespoon lemon juice
½ cup sugar
1 tablespoon cornstarch
1 cup buttermilk baking mix
1 tablespoon sugar
1 tablespoon milk
1 large egg
Cinnamon sugar to sprinkle on top

1. Melt 1 tablespoon butter or margarine in a small glass or plastic mixing bowl (Microwave on high for 20 to 30 seconds). Set aside for topping.

2. Put sliced peaches in a 9-inch round microwave cake pan (use a 2-quart casserole dish if you don't have a cake pan). Sprinkle with lemon juice. Mix ½ cup sugar and cornstarch in a small bowl and sprinkle over the peaches. Stir to coat slices evenly. Dot with remaining 1 tablespoon butter.

3. Cover with wax paper and microwave on high for 8 to 9 minutes, stirring twice, until hot and bubbly.

4. While peaches are heating, mix buttermilk baking mix with 1 tablespoon sugar. To the reserved melted butter or margarine, add the milk and egg, beating until smooth, then stir it into the baking mix.

5. When peaches are hot, put small spoonfuls of topping, almost touching, around the edge of the pan and in toward the center. The topping puffs up a lot, so use small spoonfuls, and put less topping in the center. Sprinkle cinnamon sugar on top.

6. Cover with wax paper and microwave on high for 3 to 3½ minutes, until topping looks dry and cooked. Let stand 5 minutes before serving. Serve warm, with vanilla ice cream, if desired. Makes 5 to 6 servings.

**Tip:** An extra fast cobbler can be made by using two cans of any fruit pie filling, heating the filling until hot, and adding the topping from the Peach Cobbler recipe above.

**Note:** The times above are for a 600-700 Watt microwave oven. If your oven has 500-600 W, add 10 seconds to each minute; for 400-500 W, add 20 seconds to each minute.

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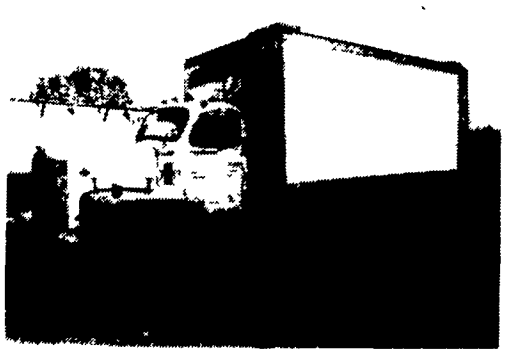

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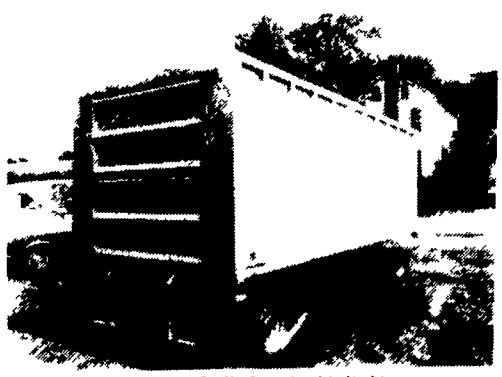

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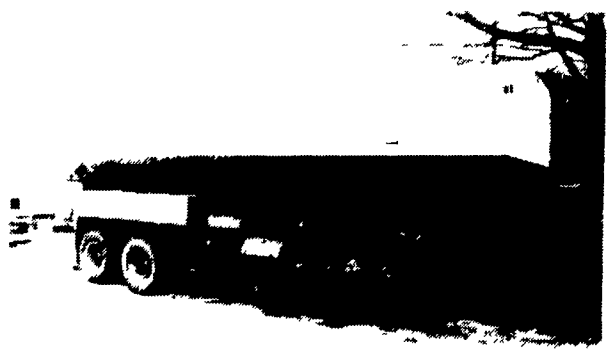

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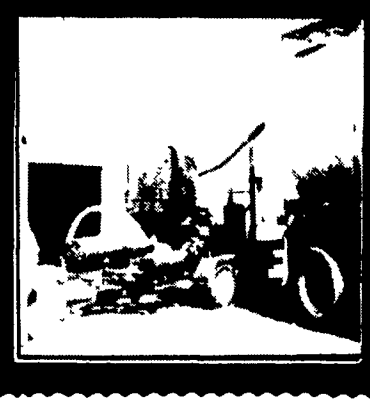

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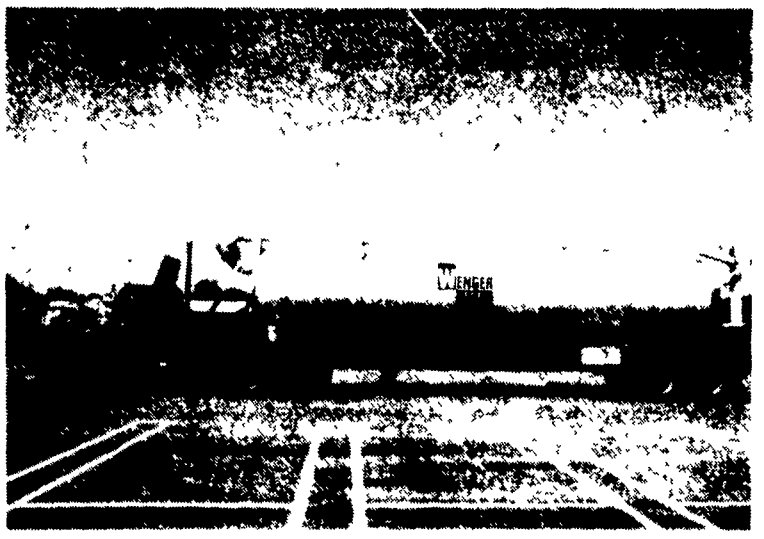

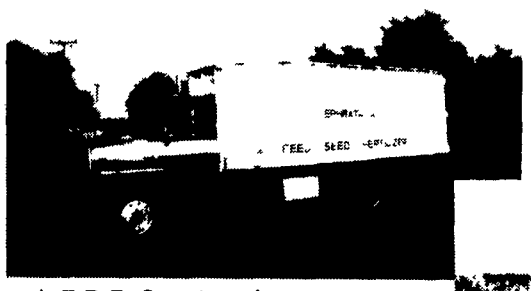

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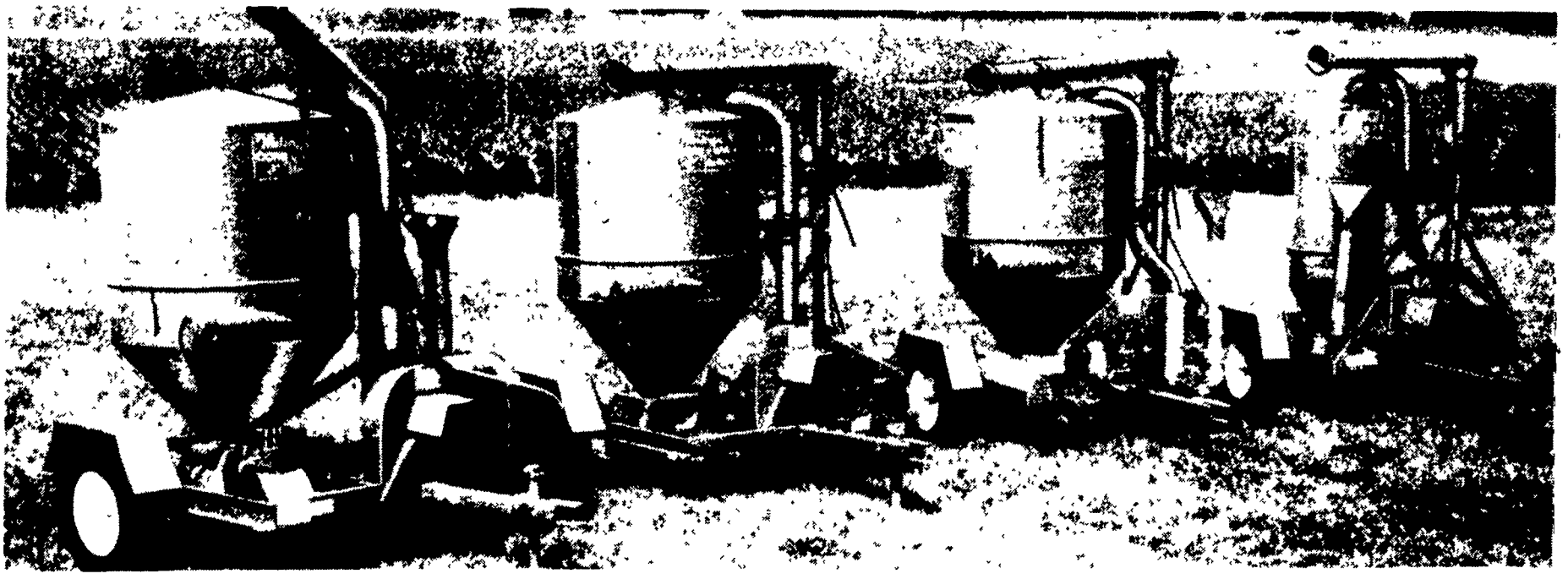

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# Ida's Notebook

## Ida Risser

The other morning I heard a sound which I recognized as a blast of heated air into an air balloon. So, I hurried outside to see the colorful balloon. It seems that they are quite numerous in this area as I often see several at the same time.

This particular balloon was descending rapidly and it sailed over the high-tension towers on our farm and landed in a meadow just across the Conestoga from our summer cottages. What I saw when I got there was a sight to behold. A big herd of Holstein cows had gathered around the basket with the two men still inside. Cows are very curious animals and they were inspecting this new arrival.

Just a few weeks previously another air balloon landed on a narrow sod strip that we installed as a waterway on our farm. They show great skill in landing as none of the alfalfa on either side was trampled. Their tracking truck was there immediately and it certainly did not take them long to pack up and leave. In fact none of the people in the nearby development even had time to come and look.

Long ago, when I was a child, we had a small airplane land in a field near our house. He wanted to visit a neighbor of ours. My mother took a picture of the group that gathered and I'm shown holding my younger sister on my arm.

It's good that these balloons don't try to land in a place like Allen took me the other week — trees, trees and more trees. We spent a few quiet hours in Snyder-Middleswarth State Park. We hiked for a while on a rough trail and then I asked him to go ahead without me. As I slowly worked my way back to the car, the quiet was overwhelming. No one within miles — it was too eerie for me.

# First Lancaster 4-H Fair To Feature Projects

LANCASTER — Lancaster County will be treated to its first 4-H County Fair Aug. 20 and 21 at the Manheim Farm Show Complex.

The Fair will take the place of the 4-H Achievement Day held in previous years at the Farm and Home Center. By moving the event and extending it to two days, County 4-H Agent Zoann Parker hopes to make the 4-H program more visible to the public and to allow 4-H'ers to see the wide range of projects available to them.

"Hopefully, 4-H members will watch the animal shows, look at the crafts and other projects and a new spark of 4-H enthusiasm will flare up in them," Parker said. "I think teens drop out of 4-H because they become bored with the area in which they are taking a project. By having all the areas on display, 4-H'ers will have the opportunity to expand and strengthen their interests."

In addition to the many projects displayed, clubs will offer food and exhibit booths. Other fair highlights include the county hog roundup and sale, an archery contest, a steer show and adult showmanship contest, a rocketry shoot, a therapeutic riding exhibition, and a sheep showmanship contest.

The fair will conclude with a

(Turn to Page B19)

Lancaster 4-H Agent Zoann Parker displays a teddy bear and quilt that will be sold at the 4-H auction held in conjunction with the 4-H Fair Aug. 21. The quilt was donated by a friend of 4-H and the teddy bear by Yoder's Craft Shop of New Holland. The sign reminds visitors that the fair will be a pickup point for hay donations.


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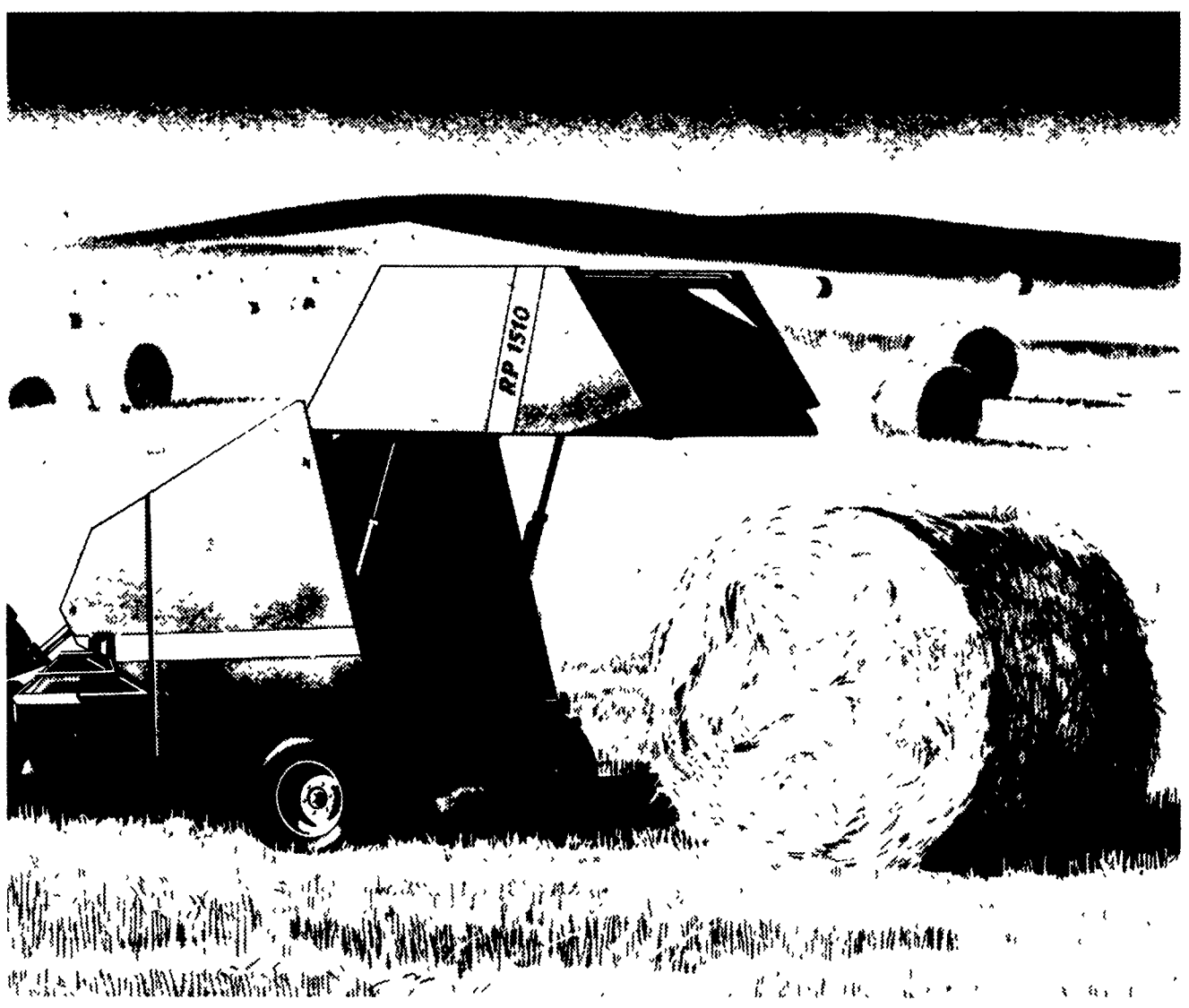


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# Lancaster 4-H Fair

(Continued from Page B18)

benefit auction starting at 4 p.m. Aug. 21. Over 100 items have been donated by area merchants, 4-H leaders and friends of 4-H.

All monies raised will go toward lowering the cost of all county, state and national events for 4-H'ers.

The Fair also will be a pickup point for farmers wishing to donate hay to farmers in the south whose crops have failed because of drought, Parker said. A truck will be parked at the Manheim Farm Show Complex to collect donations.

A schedule of events is as follows:

**Tuesday, August 19**

- Set up between 4 and 5 p.m.
- All projects entered between 5 and 8 p.m.
- Judging between 8 and 10 p.m.
- Hog projects in before 5 p.m.

**Wednesday, August 20**

- 8 a.m. to 10 a.m. — Judging of projects.
- 9 a.m. — Hog Show; Food booths open.
- 10 a.m. — Dog Show.
- 12 p.m. — Steers arrive.
- 12:30 p.m. — Start of volleyball tournament.
- 1 p.m. — Demonstrations in main building.
- 2:30 p.m. — Steer show.
- 5 p.m. — Archery contest.
- 6 p.m. — Rocketry shoot, Swine sale.
- 7:30 p.m. — Alumni Intel Steer Showmanship Contest.

**Thursday, August 21**

- 8:45 a.m. — Horse Judging Registration.
- 9 a.m. — Horse Judging Contest.
- 10:30 a.m. — Therapeutic Riding Horse Show.
- 10:30 a.m. — Bicycle Rodeo.
- 11 a.m. — Sheep Show.
- 4 p.m. — Auction Begins.
- 7 p.m. — Achievement Night Program at High School.
- All projects may be picked up.


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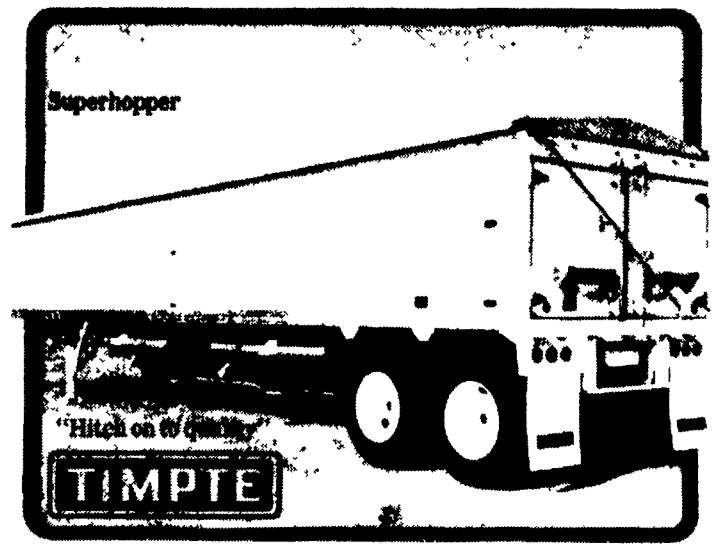


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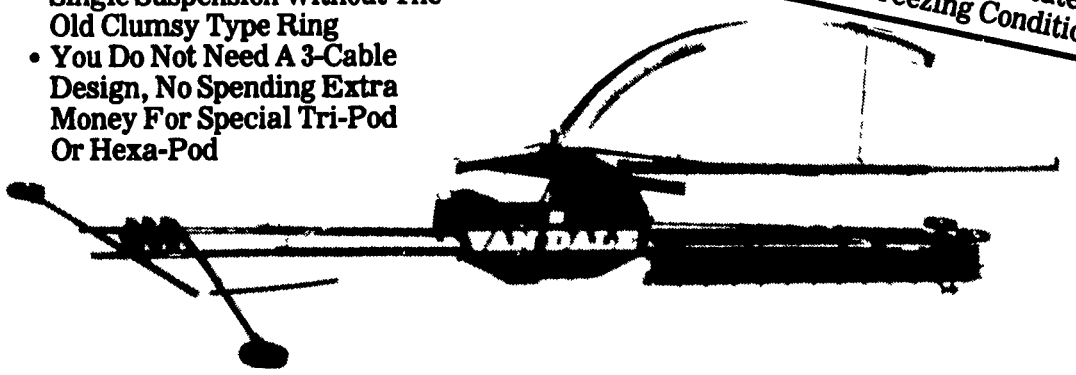


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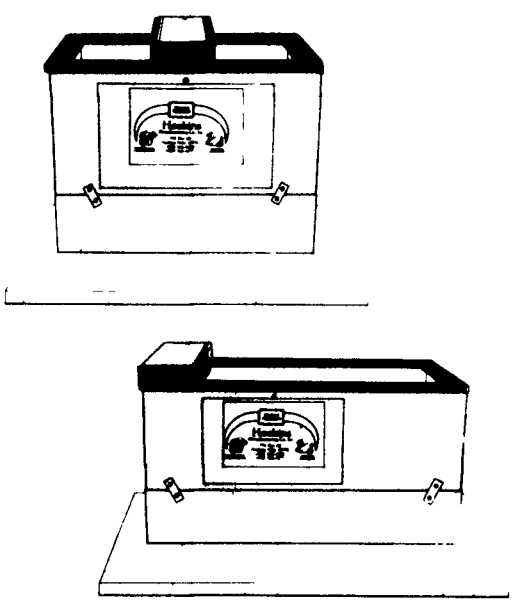
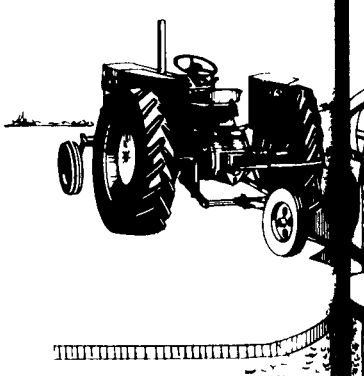


### THE WASTE MANAGEMENT LINE



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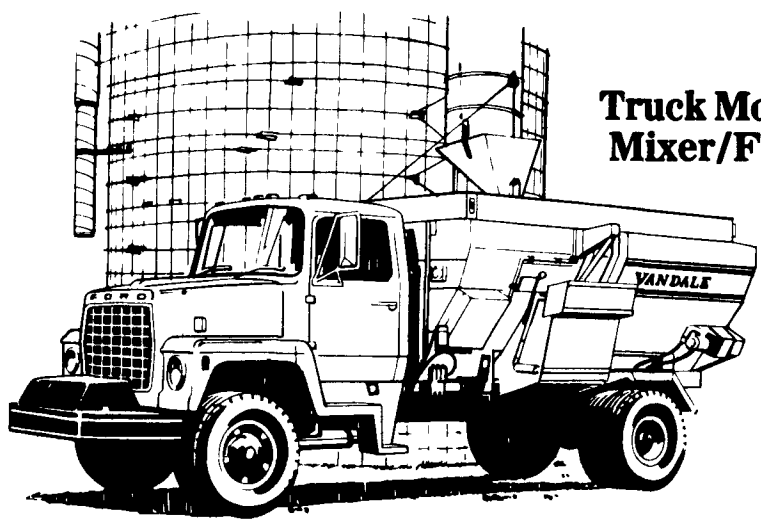
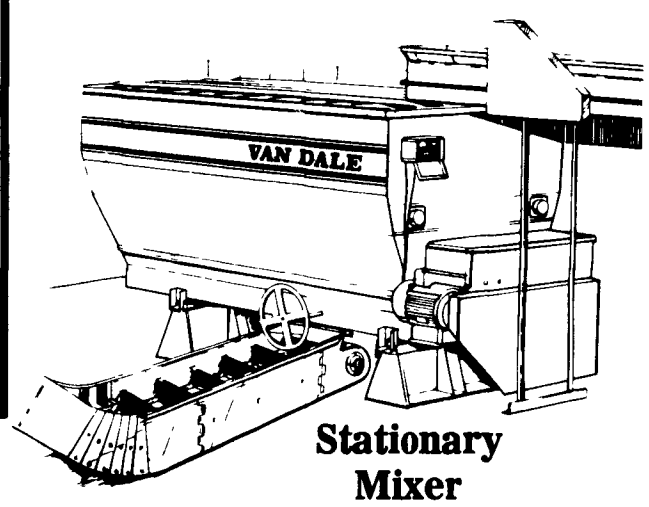
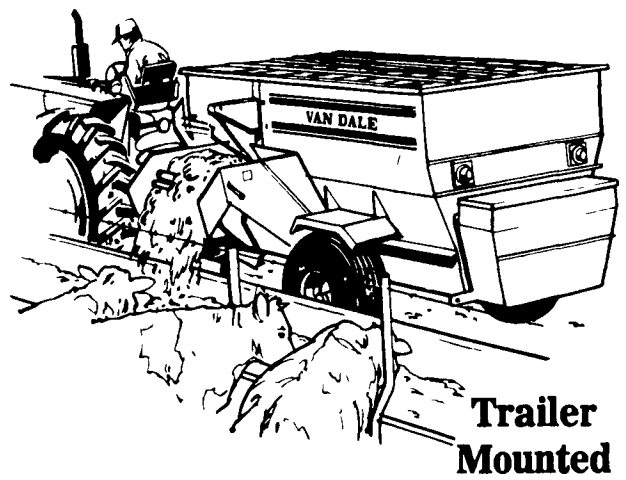
**THE MIXER FEEDER LINE**



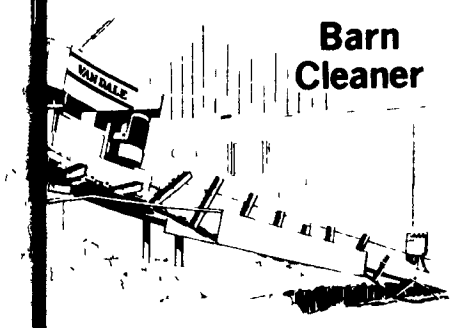

**Truck Mounted Mixer/Feeder**



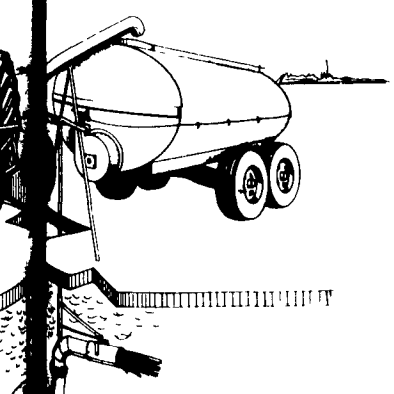

**Stationary Mixer**




**Trailer Mounted Mixer/ Feeder**




**Barn Cleaner**



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# Noel King Continues Family Tradition As Pa. Poultry Queen

BY GINGER SECRIST MYERS
Adams County Correspondent

GETTYSBURG — Noel King of York Springs captured the 1986-87 Pennsylvania Poultry Queen crown Aug. 9. The annual contest was held in conjunction with the Adams County Poultry Association Banquet at the historic Dobbin House Restaurant in Gettysburg.

Noel is the 16-year-old daughter of Mr. and Mrs. Dale R. King, who are no strangers to having poultry queen royalty in the family. Their daughter Michelle was the state poultry queen in 1980-81, and more recently their daughter Jacki served as state queen in 1984-85. Their family operation includes 120,000 layers and 25,000 starter pullets.

Noel will be a senior this year at Bermudian Springs High School, where she is active in band, chorus and softball. She carries a capon project in 4-H and was a member of the Pennsylvania State Poultry Judging Team last fall.

Noel's winning presentation in the competition was entitled "Poultry Round the Clock." She emphasized that in addition to food products, poultry and its by-products contribute to a host of other uses, including shampoos, pet foods, medical research, hunting and fishing and many others.

Noel said she wanted to become state poultry queen because the likes the idea of promoting the product and she has seen how much her sisters have enjoyed it. She also hopes that through her promotional efforts she can dissolve some of the public's misconceptions about the poultry industry.

Jacki King, the 1985-86 Adams County Poultry Queen, and Stephanie Yost, the 1985-86 Pennsylvania Poultry Queen from Lancaster, were on hand for the crowning. At one time, nine counties participated in the queen contest, explained John Hoffman, director of the Pennsylvania Poultry Association. However, with the dwindling number of producers, the contest has become a two-county affair, with only Adams and Lancaster counties participating. The state queen title alternates annually between the county winners.

Noel King will represent the poultry industry at state and county events, including Farm Show, Pennsylvania Cornucopia, the Poultry Federation Fund Raising Banquet, the Apple Harvest and Apple Blossom Festivals.

Noel King, center, was crowned the 1986-87 Pennsylvania Poultry Queen at the annual contest last week in Adams County. Here Noel receives congratulations from Stephanie Yost, left, 1985-86 state queen from Lancaster, and from her sister, Jacki King, the Adams County queen for 1985-86.

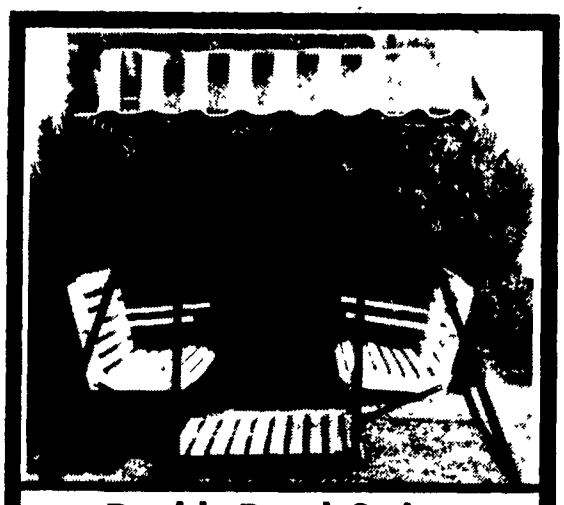
## *Lebanon Flower Show Planned*

LEBANON — The Lebanon County Flower Club will hold its annual flower show Sept. 10 and 11 at the Lebanon Valley Exposition Building.

All amateur flower growers are invited to exhibit in the show. The theme for this year's show is "A Celebration of the Arts."

Competitive exhibits may be placed Tuesday, Sept. 9, between 7 and 9 p.m. and Wednesday, Sept. 10, between 7 and 11:30 a.m. Exhibits must be removed between 9 and 9:30 p.m. Sept. 11.

The Lebanon Valley Exposition Building is located at Cornwall and Evergreen Roads in Lebanon.

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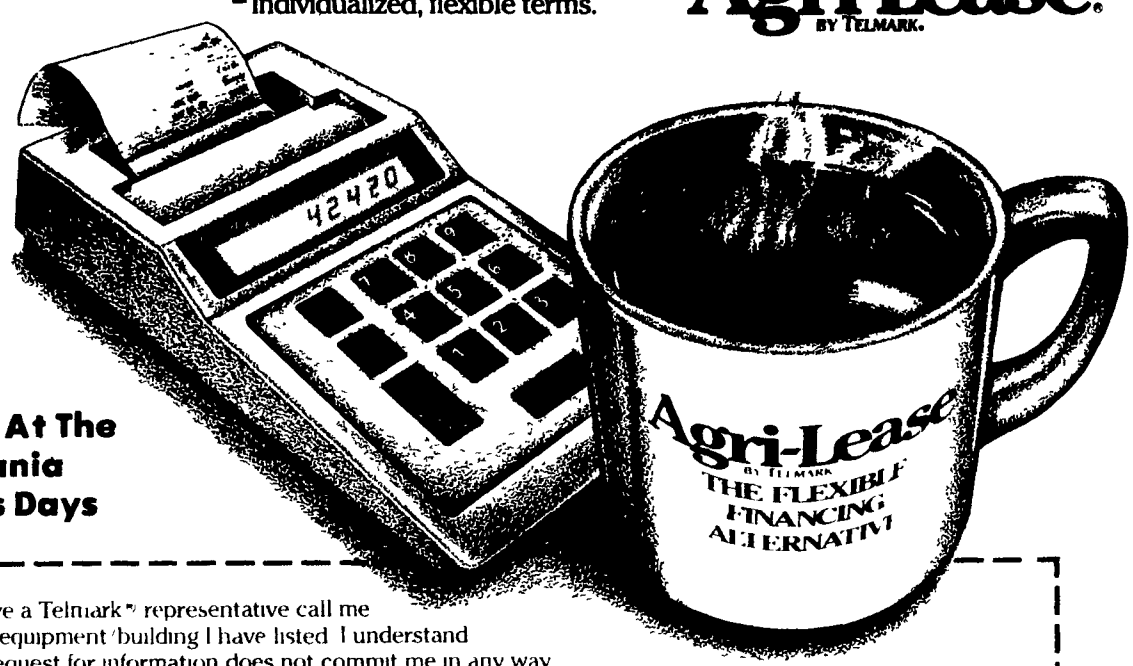


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UNIVERSITY PARK – Are you at risk? How much you weigh, what you eat and drink, your family medical history, and even your daily routine are all factors in a computer health risk analysis developed by extension community health specialist Dr. Charles O. Crawford.

At Ag Progress Days this year, visitors can work with extension agents to determine their health risks and discuss ways to minimize those risk through food and fitness. "Many people are simply not aware that their daily habits and family meals can contribute to a health problem," says Crawford. The risk analysis program is fun to do, doesn't take very long, and actually gives visitors some concrete evidence of how their lifetyle may contribute to future health problems—"problems we don't want them to have," says Crawford.

The risk analysis program will be featured in the Food and Fitness exhibit in the "Ask the Experts Tent," which this year is attached to the Wicks Forum building, where visitors can sit and enjoy a number of health related demonstrations. Daily presentations and demonstrations are printed in the free program, which will be available at a number of convenient locations throughout the exposition grounds.


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7 LIVESTOCK EQUIPMENT

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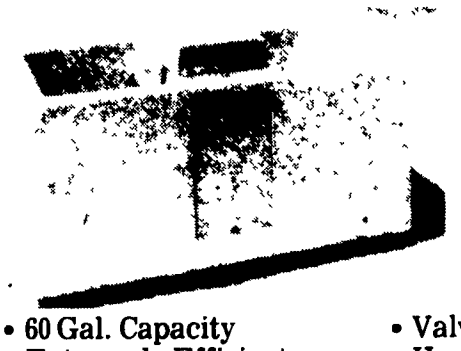

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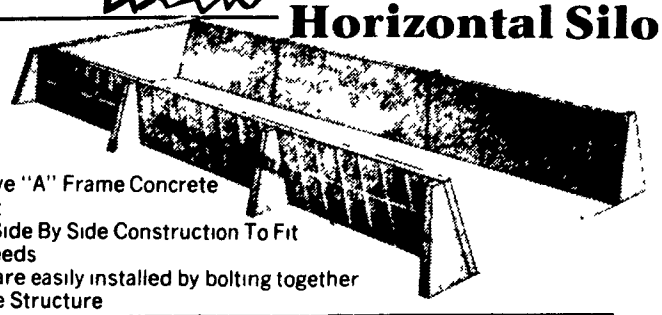

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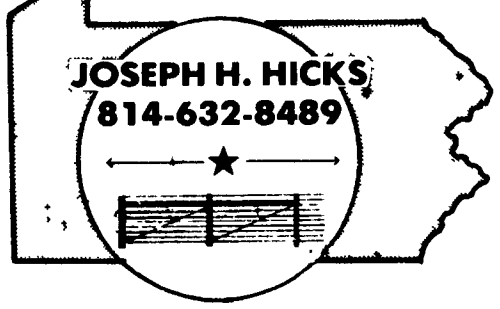


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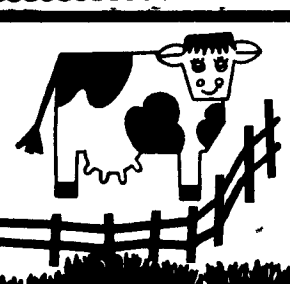

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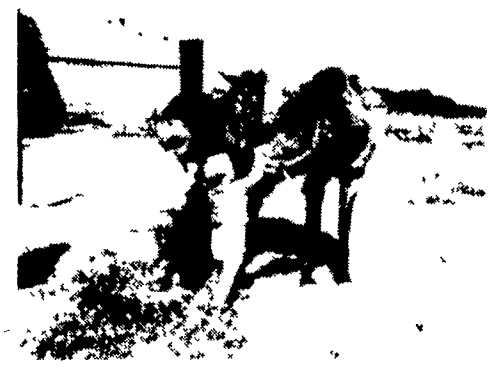

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## 8 CATTLE

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Purebred Guernsey heifer due to freshen mid August w/papers and high bloodline. 215-536-1935 Mon. thru Friday 6PM-9PM.

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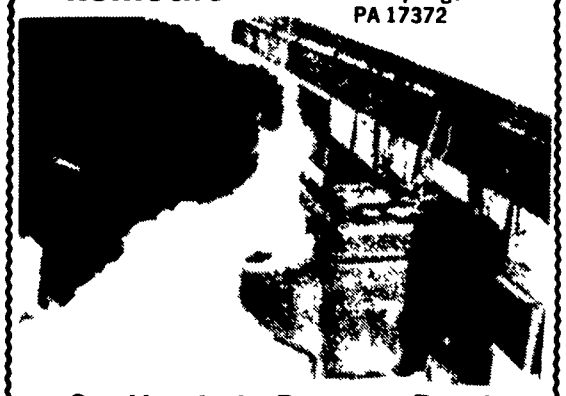

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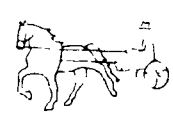

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Hampshire ram lamb with 4 registered ewes. Lanc. Co. 717-859-1094.

Large Ewe Lambs. Crossbred Dorset Rambouillet Finn, all out of twins, will breed this Fall for Spring Lambs. Butler Co. 412-285-4357

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**42 Open Gilts**: Average $193. High at $265. to Lewis Jewell, Corry. By "Angle"

131 Lots, Total $40,980., Average $313.

All animals vaccinated for rhinitis, erysipelas, lepto & parvo. Validated brucellosis & pseudorabies free herds.

Next Sale
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Bred Gilts, Boars, Open Gilts &
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Private Sale: Boars & Open Gilts

**Trucking to Penn State on August 20th**
**Western PA, Ohio & Indiana late August**

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(2) Landrace Boars, (1) Berkshire Boar, Service Age, Purebred, no papers. Priced Reasonable. 717-246-1738 or 717-244-6068

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**717-833-5125**

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**NORTHAMPTON FARM BUREAU**
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**WAYNE FEED STORE**
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DRIED CORN DISTILLERS
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Alfalfa or Timothy. Premium quality only. Large quantities. Buyer will haul.

**Cassidy Brothers Farms**
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Top Quality
We Haul or You Deliver
Will Travel 200 Miles

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We can use your own combine run seed. No cleaning is necessary.

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Box 67 East Earl, PA
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Trailer Load Minimum

For **COMPETITIVE PRICES**
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## (Liquid Silage Additive)

**Advantages:**
- 100% protein equivalent.
- Requires no specialized equipment.
- Creates no disagreeable odors to irritate your eyes and skin.
- Does not contain added salt or calcium.
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**FOR BEEF & DAIRY**

LSA-100 is a liquid silage additive designed to be added to corn silage at ensiling time to increase it's protein level, & balance minerals. LSA-100 contains 100% protein equivalent and high levels of essential minerals. When applied as directed, LSA-100 will convert your corn silage to a balanced complete feed.

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*"I rate LSA superior to other additives and preservatives because you get nutritional benefits in addition to preservation."*

*"With LSA I save $575 per month on my protein bill."*

*"When we ran out of LSA treated silage, we dropped 700 pounds of milk."*

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Located along Rt. 10 between Russelville and Oxford
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**53"/63"/72" Inch Sizes**
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# ECONO BATCH-MAKER
## with TEXTURE SAVER MIXER

**(5-8 Tons Per Hour)**

102 Cu. Ft. Patented Texture Saver Hydraulic Drive, Variable Speed Mixer (2 Ton) Complete with Motor (No Starter), Bagger, Clean Out Slide and Concentrate Assembly (on rear for direct entry). Manual Molasses System Pump, Meter and Injector (Does not include heater and tank), 10"x20" Roller Mill System with Motor (No Starter).

VARIATIONS:
Mixer Only
Mixer and Roller Mill (as described above)
Mixer and Hammermill
Mixer and Ear Corn Challenger (w/30 HP Motor) Ear Corn Crusher added to 10"x20" Roller Mill
Mixer and Titan 20 Ear Corn Hammermill w/40 HP Electric Motor (No Starter) 54 Knife edge hammers. Hopper, Magnet Trap
Mixer, Roller Mill, Hammermill and Textureator Package for making coarse textured feed from ear corn (roll kernels, hammer cobs)
Other combinations available Dual Roller Mill, Hammermill and Roller Combination (Call for Prices).

NOW AVAILABLE WITH TEXTUREATOR PACKAGE

**Packages Starting at $19,500**

**OPTIONS:**
3-5 Ton Mixer
Electronic Scales
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NEW LOW COST MILLING EQUIPMENT FROM THE PEOPLE WHO BRING YOU THE BEST

MOLASSES FEED MIXING AT ITS FINEST

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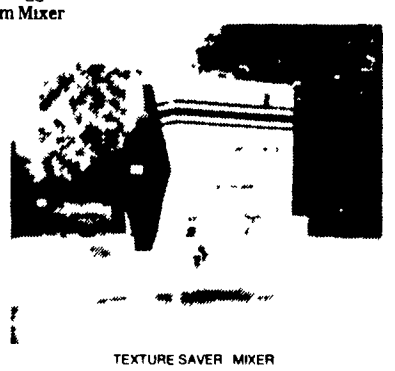

TEXTURE SAVER MIXER

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**Feedmobile Inc**
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**MUSHROOM SOIL**
Fresh or aged. 1,000 bushels or 50 yards, $110 delivered.

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"Red Oak"
$10 per yard. You pick up.
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Broiler manure, $10 per ton.
All Size Loads

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High Quality Lime Plus 50-60 Lbs. of Potash (Worth $7.00) & 80-100 Units of Sulfate (Worth $12.00) In Every Ton

University & USDA Tested and Proven!

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78-80 + ENP (effective neutralizing power)

**We Deliver!**
**Only $6.00/Ton F.O.B.**
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**Only $4.75/Ton F.O.B.**
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**RAILROAD TIES**
**LANDSCAPE TIES**
By the piece or truckload. Delivery available. 8 to 15'.
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BRADFORD'S HOOF TRIMMING 301-378-4603 or 301-838-5105

Custom Ag Bagging w/ motorized machine. We operate the machine Lynn Wingert, Cumberland Co , 717-766-2954

Soybean roasting on your farm Dale L Schnupp, RD 6, Lebanon, PA 17042 717-865-6611

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We buy standing timber Also circle saws hammered to the proper speed of your mill.
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They will be giving free footprints to see if you need arch supports.

The arch supports are hand crafted from a light-weight leather made from impressions of your feet. Your feet are like the foundation of a building. If you strain your feet, it can cause you to have trouble in other parts of the body.

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Corn Silage
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Old Or New Crop

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**WANTED**
Good quality Ear Corn. Paid at scale.

Eugene Garman
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**BROILER MANURE FOR SALE**
* Delivered in 22 ton loads
* Custom Spreading Service Now Available
* Mushroom Soil Available

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**MUSHROOM SOIL**

900 Bushels . . . $110 trailer load
450 Bushels. . . . . $80 large truck
225 Bushels . . . . $60 small truck
100 Bushels . . . . $45 small truck
(West of Lancaster is extra charge)

Use Poultry Manure For Corn Fields, Mushroom Soil for Gardens & Flower Beds.

**Mahlon H. Martin Co.**
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**- ORGANICALLY GROWN -**
Healthy Plants With Good Roots.

Snowcrown Cauliflower plants
Broccoli plants
Cabbage plants
RD 4 Lititz, PA
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Snowcrown Cauliflower, Broccoli and celery plants.
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During my 20 years experience, I developed a way & designed tools & equipment to trim cows hoofs better & faster than anyone else. My way is easier on the cow & the farmer and I can prove it to you. I have references from many satisfied customers, you can also be one of them. Serving the East Coast. For more information & demonstration call Simon,

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Will Deliver
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**High Moisture Corn For Sale**
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**FARMERS Save Fertilizer Dollars!**

Poultry manure delivered or loaded on your truck.
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500 used bu. crates stored inside. 40 cents each, take all John Bean, Potato Vine Beater, Clearfield Co. 814-263-7230.

Taking Orders Now For Fall Snow Crown Cauliflower & Empire Broccoli 717-295-3137 or 717-394-5573

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# C & D High Pressure Washing

Pressure washing and disinfecting

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We're Experienced & Do Quality work
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## 19 NURSERY

**FOR SALE**
Hardwood Mulch
Double Ground Bark Mulch

**Ray Marburger**
RD 2, Box 298
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**717-367-3692**

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ROOFING - SIDING
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**A. & J. Builders**
GENERAL CONSTRUCTION
Complete Dairy Systems

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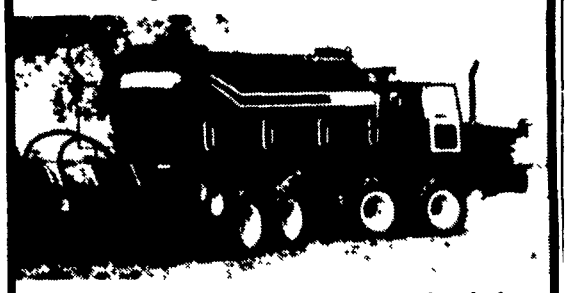
## 22 CUSTOM WORK

**CUSTOM BAGGING**
We stay with the machine. 7 Years experience bagging haylages, silages & grains.
**CHARVIN FARM**
**717-665-7471**
Lewisburg Area, **717-524-4276**
Maryland Area, **301-734-7959**

**CUSTOM AG SERVICE**
**Hauling & Injecting Liquid Manure**



**Using a 5,500 gallon unit w/16 wheels for better flotation, equipped w/4 tooth auto. reset plowdown.**
(Can load w/vacuum or by using lagoon pump)
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**RD 2, Ephrata, PA**

Custom silage and HmEC bagging; two AgBaggers, one motorized. Bagging since 1979. AIA and AgBags for sale 9x135, 8x150. Call for farmers price. Richard Hoppes, Berks Co. 215-562-4945.

L & L Painting interior and exterior. Commercial, residential and churches. 717-291-6008.

**CUSTOM BAGGING**
Fast Unloading
8x150, 8x100, 6x150
**MERLE MARTIN**
Bags For Sale
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We custom build double chain wooden conveyors and taper board feeders.
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**550 Beechdale Road**
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**CUSTOM AG BAGGING**
Using a motorized bagger-no tractor needed.
Using a 9 mill bag, white outside, black inside This bag has a 3-year warranty
We are equipped w/rollback truck to travel to your farm
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**Ag Bags For Sale**

**AG BAG CUSTOM BAGGING**
The authentic sealed storage bag. Farmers you need to compare the ag bag feeding system. You have less overall expense.
Silage bags sold 9x135, 8x150. Round bale bags 4', 5', 6'.
Ag Bag Dealer
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Custom Bagging w/ motorized machine. Haylage, Corn Silage and High Moisture Corn 717-949-2366

## 23 HELP WANTED

Responsible person to manage company owned poultry farm. Send replys to: Lancaster Farming, P.O. Box 366, R-87, Lititz, Pa. 17543.

Carpenter wanted. Experience preferred. Immidiate opening 717-367-3991

Farm Help: Dairy & General Farm Work, house available 5 a.m. to 6 p.m Blue Cross & Blue Shield, Pension Plan. Call 215-582-4591 FM Brown & Sons, Inc, R.D 2, Douglasville, Pa 19518.

Farm laborer needed immediately Tractor experience No housing Prefer young Christian man. East Earl area 215-445-6209 or 717-354-7961.

Full time milker needed for a 200 cow dairy in Adams Co. Call before 10 a.m or after 8 p.m, 717-259-7211

Herdsman/wife team to milk & manage 125 cow herd. 2 Bedroom trailer, benefits, experience & references necessary 301-275-2957.

Herdsperson needed for 55 registered cow herd All facilities provided. No Sunday calls 717-442-8134

Live-in person to care for elderly couple in their rural home. Lebanon Co 717-866-4580.

Married person to work on a 100 milking Holstein Farm. Must be experienced in milking & other dairy aspects. Tie stall barn w/Surge pipeline, full line of modern machinery. Large 3 bedroom house w/free gas heat available. 412-286-9049

Mature person needed to work fulltime, plus some weekends, in modern chicken houses. Those serious minded persons need only to apply Call between 8 a m & 5 p m 717-653-8061

Mature, reliable family person wanted for tractor work and general farm duties Excellent house available on premisis for employee and family Reply to P O Box 1748, Bensalem, PA 19020

Part time milker and/or equipment operator needed on large dairy farm Experience and references required S Lancaster Co. 717-548-2469

Prefer Young Christian person, single or married for milking and general farm work. Experience necessary. Housing available. 717-933-5771

Responsible fulltime person wanted to supervise turkey loading crew. Salary plus benefits. Reply to: Lancaster Farming, P.O. Box 366 R-86, Lititz, Pa. 17543.

Single person to work on dairy farm, experienced in milking & running equipment. Room & board, salary negotiable. Live-in with the family. Lancaster Co. 717-548-3366.

SMALL, PRIVATE HORSE FARM: Needs mature person to care for horses and barn. Experience preferred, but will train. Honest, reliable person only. Accomodations furnished. Southampton, Long Island, NY 516-537-3483

Wanted: Dairy farm employee Use your time here as a stepping stone toward the future, by starting your own herd. Wife may do substitute milking Housing provided. Call 717-349-2351

Wanted: Experienced couple for family dairy farm, possible take over, Central N.Y. area. 315-673-2128 after 7 p.m.

We are looking for a person (prefer man and wife or father and teenage son) to care for and manage a 50 cow dairy in a new barn set up. Bradford Co. Some field work included. House and benefits with top wages. Lancaster Farming, P O Box 366, L-110, Lititz, PA 17543.

Working manager/caretaker for 600 plus acre farm, cow/calf operation, prefer married man, house provided, references required Call 215-384-7592

Need extra money? FRIENDLY HOME TOY PARTIES has immediate openings for managers and demonstrators in this area. It's easy, fun and profitable. We have over 700 exciting toys and gifts featuring the new animated talking doll "Cricket" which will be advertised on national T.V. No cash investment, no collecting, no delivering and no service charge. All you need is a desire to make money, have fun and a few hours of spare time. No experience necessary. Call 1-800-227-1510.

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Needs reliable person to help with feeding, stall cleaning, grounds upkeep. Good working conditions in quiet country area. Private living quarters provided. THE RIDGE Farm, RD3, Lebanon, N.J. 08833. Phone 201-236-2986.

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Owner desirous of less personal involvement in farm located in Southwest Pa. Seeking working manager. Applicant should either have previous record of dairy farm management or owned a dairy farm. Degree in Agriculture preferred, but not necessary. Manager will have complete responsibility for all aspects of 90 Grade & Registered Dairy Farm. Compensation includes housing, benefits and will be commensurate w/ experience. Reply to: Lancaster Farming, P.O. Box 366, R-88, Lititz, Pa 17543

**Sell Animal Health Supplies**
farm to farm
Must have dairy farm experience and be aggressive. Guaranteed salary plus commission and excellent benefits
Call
**Animal Medic, Inc.**
**717-266-5611**

**HELP WANTED**
**Dependable Secretary - Typist and record keeper needed full-time agribusiness in Lancaster County.**
**Reply to:**
**Lancaster Farming**
P.O. Box 366, L-109
Lititz, PA 17543

**Working Manager For Poultry Farm**
Must have previous experience and good reference. Good salary, housing, medical insurance for qualified person.
Lancaster Farming
P.O. Box 366, K-123
Lititz, PA 17543

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know whom to contact
when seeking job opportunities.
Are you one of them?
Remember the Agricultural Employment Specialists.
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Mature person, experienced in harvesting & planting of crops General machinery maintenance Character & work references needed Good pay, plus benefits & house
Reply to: Lancaster Farming
P.O. Box 366 R-89
Lititz, PA 17543

**FARMER**
Fosterfields Living Historic Farm, Morris Township, New Jersey. Excellent benefits Call Helen Hesselgrave (201) 829-0474 between 9:00 a.m and 4:30 p m The Morris County Park Commission is an Equal Opportunity Employer.

**FARMER FOR COMPLETE TAKE-OVER OF DAIRY FARM**
Milking 30 to 40 cows & field work, all benefits, good schools, West Hanover area. Nice place to work. Call 717-566-9317, leave name & phone number. Will call back. Or call 717-657-1600, ask for Mr. Farmer.

**PERSON TO WELD IN AGRI-RELATED WELDING & FABRICATING SHOP**
Apply in person or call
**Paul B. Zimmerman, Inc.**
295 Wood Corner Rd.
Lititz, PA 17543
**717-738-1121**

**SALES/SERVICE OPPORTUNITY**
Well-known farm supply company has two openings. Applicant should be knowledgeable in dairy and/or hog production. On the job training, excellent growth opportunity
All inquiries confidential.
Please send resume to:
**Lancaster Farming**
P.O. Box 366, R-90
Lititz, PA 17543

SALES REPRESENTATIVES
**WANTED**
We are looking for qualified individuals for full time sales positions in selected areas of Pennsylvania. Our business requires calling on dairymen and livestock producers to offer them mineral and vitamin supplements, Silo Guard II, specialty products and consulting services. A knowledge of farming and feeding animals is required. We supply the product, training, support and commissions. You supply the time and effort
If interested, call **toll-free** 1-800-847-1691 or write to International Stock Food Corp, PO Box 29, Waverly, NY 14892.
**International Stock Food Corp.**
Waverly, NY 14892

**HERDSPERSON**
Dependable person for fulltime dairy farm position. Must be experienced w/milking & field work. Salary, housing, plus utilities, good benefits. Christian family preferred. 95 cow herd.
Southern Chester Co.
**215-347-6721**
after 6 p.m.

**FIELD WORKER**
Dependable person for fulltime dairy farm position. Must be experienced w/milking & field work. Salary, housing, plus utilities, good benefits. Christian family preferred. 95 cow herd.
Southern Chester Co.
**215-347-6721**
after 6 p.m.

Farm Equipment Appraisers needed Are you familiar with Farm Equipment values? If you are, you may be qualified to become a Certified Farm Equipment Appraiser
Call
**208-734-7570**
American Society of Farm Equipment Appraisers
P O Box 186
Twin Falls, Idaho 83303

## 24 SITUATIONS WANTED

Family desires dairy farm work Management experience. 215-683-3647.

Single, 33 year old man, non smoker, non drinker, desires dairy and general farm work. Reliable. Can begin Sept 3 Prefer to relocate north of Lanc Co References available Phone 717-529-2615, ask for Scotty

## 25 BUSINESS OPPORTUNITIES

Seed Corn Dealers Needed For Your Area Farm background necessary 301-658-2236 after 5 p m

## 26 HOUSEHOLD

We buy and sell used musical instruments Pianos, organs, band. Best deal for you Write. Gregg Hartmann Piano and Organ Company, 55 East Main Street, Mount Joy, PA 17552 or call 717-653-9192

## 27 PETS

AKC Reg. Rottweiler puppies, 6 weeks 8/9/86, $275 each. No Sunday calls. 717-665-6596.

Catahoula Pups: Beautiful new litter of pups for sale The perfect dog for your farm & home. Assorted colors available. Working farm dogs available also 215-493-4900.

Coonhound Walker puppies, AKC registered, Nt. Champion breeding, shots & wormed, $100 301-743-5102

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FREE to good home Mixed blue heeler puppies 717-627-2317

Jack Russel pups, mother good ratter, lots of spunk, shots, wormed Reasonably priced Lancaster Co 717-768-8083

Registered English Shepherd puppies, excellent stock and watchdogs Natural heelers, great with children, out of working stock. 304-725-3909

Registered Australian Shepherd puppies, perfect working dogs for your farm or home. Great disposition. Excellent breeding. Double Registered. 717-755-4679

WANTED-Puppies, all breeds. Jack's Dog Farm, Rt. 611, Pipersville, PA 18947 215-766-8802

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AKC & Cute Curly Mixes, 7 weeks old for pets only. Highest cash prices paid. Reliable weekly pickup. Call The Puppy King at Pet Depot.
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**MONEY FOR PUPS**
in litter lots for resale in my pet shop Will pick up
Cash paid
Call
**Charlie Hackett**
mornings.
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$ $ $ $ $ $ $ $

**WANTED Puppies For Pets**
AKC, Purebred, Mixed Litters.
Stud service for most breeds
Transportation provided
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## 27 PETS

AKC Golden Retriever puppies Shots, wormed. Can see parents. 717-444-3206

AKC Keeshond pups At Glicks Natural Foods, Geist Rd., 1 mi. south of Lancaster Laboratories on Route 23

AKC Registered Red Female Cocker Spaniel, $50 717-456-7196 after 6 p m

**PUPS WANTED**
**by Jo Jo**
**The Dog Man**
**$ Top Dollar Paid**

I'll be buying pups at Root's Farm Market, Tues., August 19 from 5:00-8:00 PM

I need 125 pups on Tues., August 19th.

**$51 + $51**
There will be a $51 prize for the cutest pup purchased plus a $51 prize for the person who comes the farthest distance with pups that I buy.

The winner of the $50 prize for the person to come the farthest distance is Edwin M Hoover, Berks Co

Pups wanted in litter lots only to 8 weeks old. No adult dogs handled.
Root's Farm Market is located in Manheim, PA off Rt. 72. For details call

**Jo Jo The Dog Man**
7 AM - 9 AM
Phone:
**609-452-8903**

WANTED: Puppies. AKC. Samoyed, Chow Chows, White Shepherds, Labradore Retrievers and Old English Sheep dogs. Call Craig, 215-536-5049.

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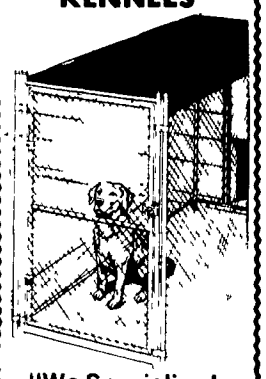

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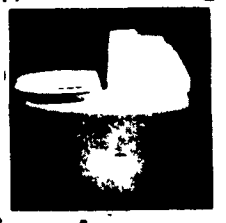

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Pole Buildings 24 x40' completely erected $4,399.00. Overhead and entrance doors included. Other sizes available. Call CHAPARAL BUILDINGS 1-800-772-0072 Anytime. Material Only Packages Available

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1981 IH 260-A backhoe, 485 hours, like new, $25,000 Washington County, 412-267-3288

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FOR SALE: Air compressor, Chicago Pneumatic, $1,500 717-536-3597.

For Sale: Cider Press, hydraulic, built in 1920's, in repairable condition. $3,200. Calls taken 7 a.m. to 8 a.m. only. 215-987-6140

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For Sale. 1982 Skylark, A/C, AT, $2.795 Also, 1982 Black Datsun Pickup, 30,000 miles, A/C, 5-spd, cap, other extras, excellent condition, $4,700 717 656-6322.

Mercedes Benz 450SE, 4 door, full power, big engine, green color, rare find. Collectors opportunity List, $50,000 Asking only $7,500. Lebanon Co Phone 717-273-6018

## 33 RECREATIONAL VEHICLES

WANTED 1984-1986 Polaris snowmobile. 1984-1986, 600 Indy snowmobile After 6PM, 717-426-3135

## 35 TRUCKS AND TRAILERS

1967 Ford F-700 w/12' wooden dump bed. Bedford Co 814-847-2788

1970 Int. 2000 Fleetstar twinscrew tractor w/250 Cummins, 10 spd. Roadranger; Complete 238 Detroit engine, 8 11x24.5 radial recaps mounted on Dayton rims; 4 22" wheels inner bearing cup 653, outer cup H M 2 1 2 0 1 1 717-867-2995

1971 International 1890, PS, air brakes, 16' steel body; 1967 International 190 V8 gas engine, PS, air brakes, w/new 20' Parkhurst grain body and hoist, 40' flatbed trailer w/sliding tandem, new floor; 33' Fruehauf flatbed w/grain sides, tarp, bows and new brakes. Balto. Co., MD 301-357-5088 after 6PM.

1972 Ford C-900 single axle tractor, 10 spd., 477 gas, excellent tires, burns no oil, runs everyday, $2,500. or Best Offer. 301-378-3487. Let It Ring.

1973 Cadillac, $350; 1973 Lincoln, $700; 1973 Ford F-600 truck, $1800; 1968 Ford C-850 tandem, $2500. Phone 717-444-3968.

1973 Int. 1700 Loadstar, 19' flatbed, 345 V8 engine, 2 spd. axle, 5 spd. trans., power steering, new paint, excellent condition. Excellent for Agricultural market truck or commercial business. Call 609-769-3183

1974 Kenworth conventional, excellent condition with 30' dump trailer, excellent condition. Will sell complete unit or separate. 717-532-8363.

1974 Mack R-600, 237-5SP, tandem axle, with air conditioning, jake brake, air shift wet line, no rust on cab. 717-265-9014

1975 International dump Loadstar 1800, 3,600# gross weight, good condition All like new radial tires. Priced to sell. 717-745-3358.

1979 Chevy C30 pickup, duals, 454, gooseneck hitch, really loaded, excellent condition & tires, looks showroom new, $5,995 215-588-7697 Evenings

1981 Mercedes diesel truck, chassis and cab, excellent condition, low miles. 814-238-4957 or 814-364-9333

1981 Morgan dump trailer, 32' frame, 30' box, 66" sides, like new condition Hauled grain. 717-993-3405

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1984 GMC S-15 Sierra Classic Super Cab, 4x4, air, auto, AM-FM 717-273-6613.

(2) B61 Mac diesels, (1) w/20' closed body, roll up door, $3,000 w/body, $2,500 without body, (1) single axle Mac tractor, $2,500 Both trucks in very good running condition Cecil Co. 301-398-9004 Days, 301-398-9515 Evenings

40' tandem axle flat trailer w/48" steel bulk head, good condition, $1,600. 201-359-5934 evenings.

51 Reo stake dump, 20,000 GVW, $1,000. or Best Offer. 215-898-8789 Days, 215-343-5416 Evenings

'68 Chevy C50, hay/grain truck, rack over cab, 2 spd trans., 22,000 GVW, very good condition, $3,200 215-562-5229

'68 Int'l Dump Truck, 35,000 miles on rebuilt engine, body excellent, new paint, newly inspected, must see, $3300/best offer. Lancaster Co, 717-627-4900 after 5.

'74 GMC 9500 Series, single axle tractor, 238 Detroit with 5+2, excellent. 717-359-4383.

'80 Datsun Pickup, 5 speed overdrive; '84 Chevy van 20, automatic commercial body. 717-273-6018 after 5 PM.

'80 Toyota, 7' Mini Stake Body, 4 cylinder 4 spd., 56,000 miles, good condition, $2,750. 717-733-2873

'83 Ford XL F250 Super Cab pickup, 351 4 spd., PS, PB, AM-FM, 8,900 GVW, $7,600. 717-733-2873

'84 Chevy ¾ ton pickup, 350 auto., PB, PS, 8,600 GVW, radial tires, $6,950. 717-733-2873

'84 Chevy HD ¾ ton pickup, 350 4 spd., PS, PB, dual tanks, 8,600 GVW, regular gas, excellent condition, $6,950. 717-733-2873

'84 Chevy ½ ton, 4x4, 305 HD 4 spd., PS, PB, new radial tires, 6,100 GVW, excellent condition, $7,950. 717-733-2873

'84 GMC 3500 dual wheel pickup, camper package, 350 4 spd., PS, PB, 10,000 GVW, 38,000 miles, $8,500. 717-733-2873

'84 GMC 3500 dual whl., 12' stake body, 350 4 spd., PS, PB, 10,000 GVW, $8,450. 717-733-2873

'85 Chevy C30 dual wheel w/8' Thiele dump bed, 350 4 spd., PS, PB, 10,000 GVW, 13,000 miles, excellent condition, $12,995. 717-733-2873

'85 Chevy C20 ¾ ton pickup, 305 auto, PB, PS, air, AM-FM, 15,000 miles, 2 tone paint, $8,450. 717-733-2873

For Sale 1984 440 Clark Bobcat loader Options, propane, conversion, lights, 44" dirt bucket, spare bucket, 36" utility forks, plus spare parts. Excellent condition, $7,000. 201-857-3735.

For Sale: 1980 Chevy K10 4x4 pickup, w/354 6 cylinder Perkins engine. 717-354-5545

For Sale: '78 Peterbilt COE, 3,406 Cat., 15 speed, 1,124.5 Budds, air ride, air, good cond., $17,000, also '73 American pot w/hog deck, rebuilt, new 1,124.5 rubber, good cond., $7,500. 717-354-0364.

For Sale by owner: 1974 International cab-over diesel tandem truck tractor, good cond., reasonably priced. 717-546-5981, if no answer, 717-546-5495. Milton Hoffman, Muncy-Chief Hybrid, Muncy, PA.

Hay Trucks for sale: 79 Ford F-600, heavy duty, 21' box w/42" inside racks & deck over cab, 65,000 mi. Mack Tractor & 45' Raven trailer. 717-324-2841.

'85 Ford XLT F250, 4x4, Super Cab pickup, 351 4 spd., PS, PB, dual tanks, lock out hubs, 8,600 GVW, excellent condition, $11,900. 717-733-2873

'86 Chevy C30 w/12' stake body, 350 auto., PS, PB, trans. cooler, AM-FM, dual tanks, 10,000 GVW, 3,000 miles, like new, $11,995. 717-733-2873

'86 Chevy G30 Cargo Van, 350 auto., PB, PS, 8,600 GVW, regular gas, 2,000 miles w/balance of factory warranty, like new, $9,950. 717-733-2873

1975 Chev. Truck, 65 Series, 427- 10 Speed, 46,000 Miles, 22 Ft. Flatbed with double action hoist, good condition.
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**OH! OH!**

The cows are falling.
How do you know?
Farmer Brown said so.

How do you know Farmer Brown?
I saw it with my eyes.
I heard it with my ears.
And there is less milk in the pail.

Let's go ask the wise old owl.
The owl thought for a moment.
"Call the Scabbler Man", he said.
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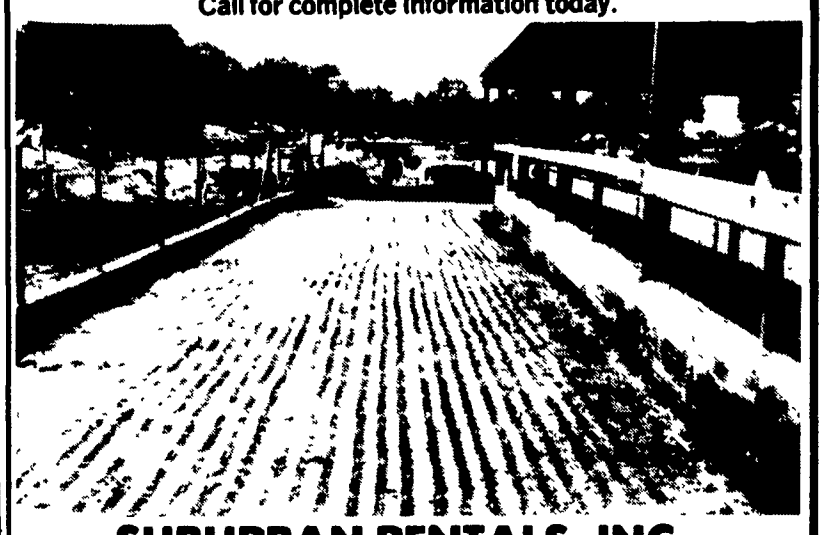

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1978 Dodge Maxi-Van, 15 passenger, 109,000 miles, new paint, $1500 Cumberland Co. 717-532-8856

'49 Plymouth coupe, A1 condition, completely restored. Ready for the road. 717-284-3348.

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'85 Ford F150 4x4, 4 Spd. 6 Cyl. PS, PB, AM/FM 14,000 Miles.
1 owner **$8,700**

1983 Ford XLT Super Cab, AT, PS, PB, AM/FM Cass., Power Windows, Power Door Locks, Air, Rallye Wheels. Cruise Control, Tilt Wheel
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## 35 TRUCKS AND TRAILERS

Ford 1977 LN800, 391 V8, 5&2, power steering, 22' duralite van body, 27,500 GVW; 2 Int. 1977, 1800, 404 V8, 5&2, power steering, air brakes, 32,000 GVW; 22' tandem steel dump trailer w/55'' sides. 301-877-9889.

For Sale: 1972 Chevy pickup truck, ¾ ton, good condition. Lanc. Co. 215-445-5953

For Sale: 1974 Chevy #20 pickup truck, 350 auto., PS, PB, AC, heavy duty springs, brakes & shocks, licensed for 9,000 lbs., new fenders & Fleetside bed. Lancaster Co. 717-653-2475

Mack 1976 R-Model 300 engine, 6-spd., tandem tractor, Wetline, good rubber; $15,000; Parker 26' aluminum dump trailer, 20'' rubber, good condition, $7,750. 215-343-2444.

NEED CASH? We buy unwanted trucks and parts, scrap aluminum of any kind. Wrecked dumps, vans, flats, tank trailers, etc. Call 215-944-9871.

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237 & turbo, PS, 13SP, 9' spreader box w/auger sowers. 1978 aluminum air slide trailer. Good 10.00x20 radial tires. Both truck and trailer are in excellent condition. Work available with Compass Quarries.

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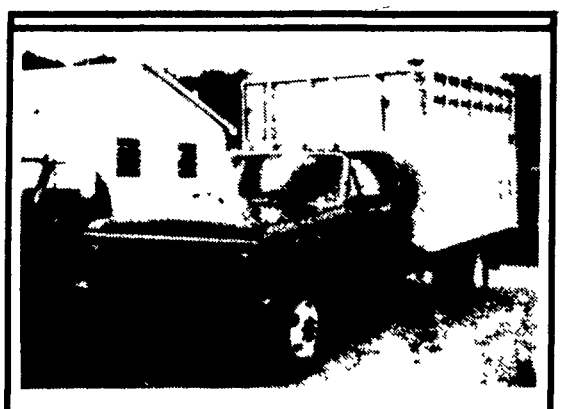

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With 12'- Eby Aluminum Cattle Body, 351 4-Speed, PS, PB, AM-FM, 11,000 GVW Rating, 23,000 Miles, Ex. Cond.

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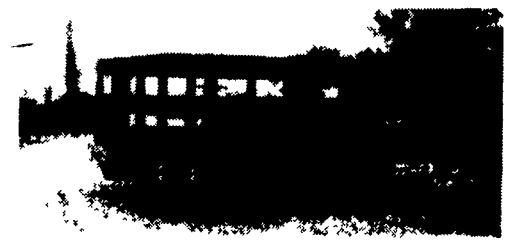

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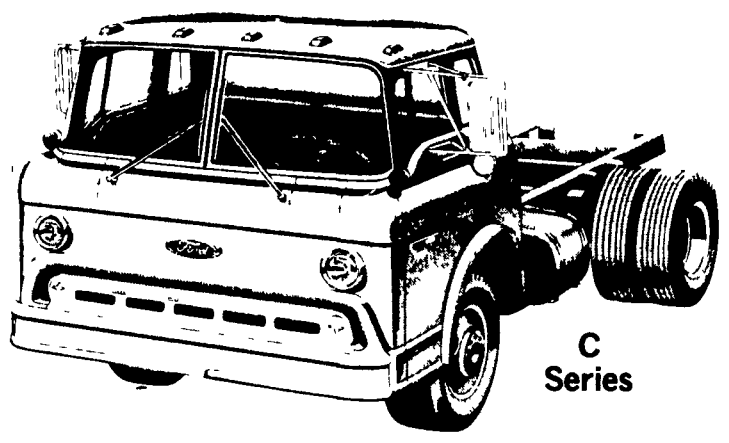
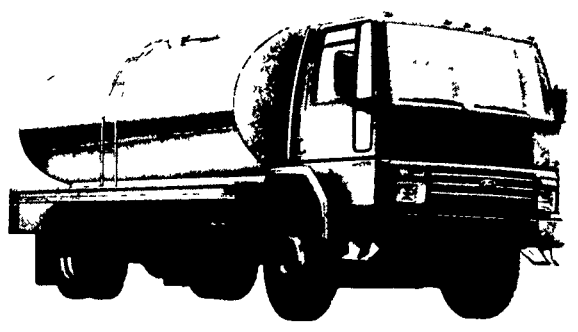


C Series



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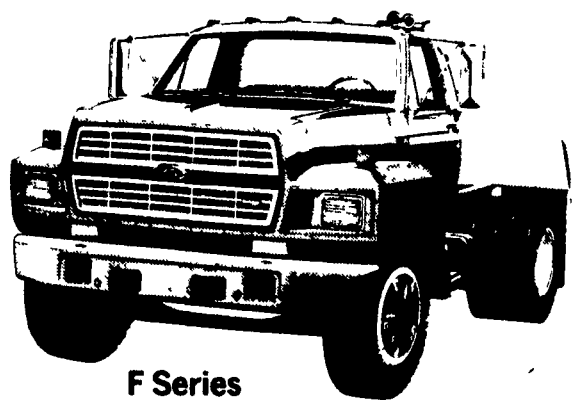

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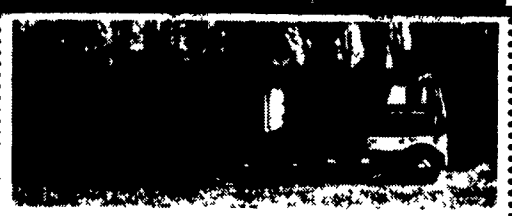

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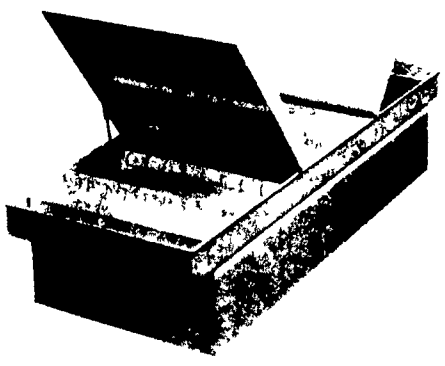

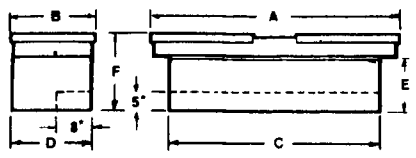


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For Standard Full Size Pickup Trucks

| Model | Cu Ft | Dimensions Inches A | B | C | D | E | F | Ship Wt Lbs |
|---|---|---|---|---|---|---|---|---|
| 115 | 18 | 72 | 28 5 | 63 | 27 | 11 | 17 50 | 192 |
| 125 | 13 25 | 72 | 21 5 | 63 | 20 | 11 | 17 50 | 147 |
| **For Flareside and Stepside Pickups** | | | | | | | | |
| 135 | 11 25 | 62 | 21 25 | 53 | 20 | 11 | 17 50 | 132 |
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| **For Short Bed Minis** (including S 10 and Ranger) | | | | | | | | |
| 155 | 8 | 60 | 21 25 | 51 | 20 | 6 | 12 50 | 122 |
| 157† | 14 | 62 | 28 50 | 53 | 27 | 11 | 17 50 | 162 |
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| 135 | 11 25 | 62 | 21 25 | 53 | 20 | 11 | 17 50 | 132 |
| 155 | 8 | 60 | 21 25 | 51 | 20 | 6 | 12 50 | 122 |
| 157 | 14 | 62 | 28 50 | 53 | 27 | 11 | 17 50 | 162 |

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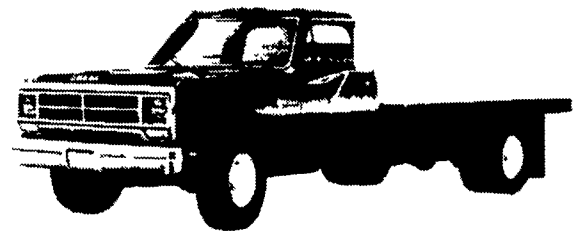

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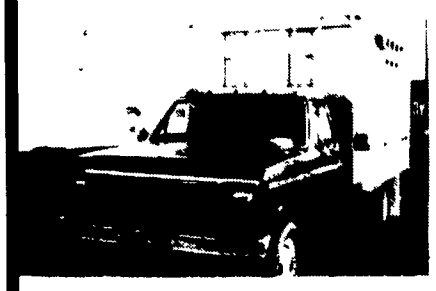

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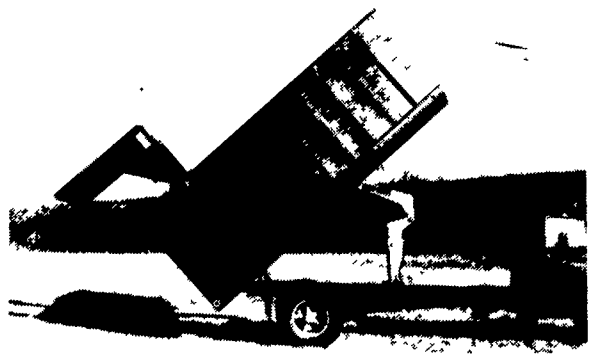

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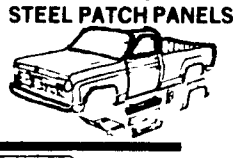

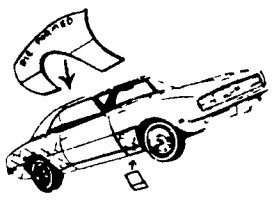

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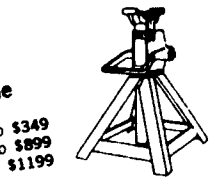

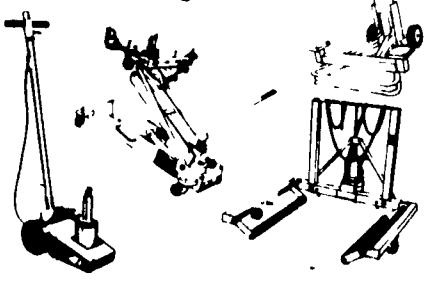

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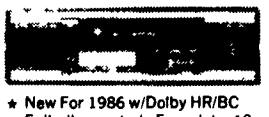

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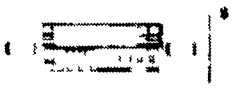

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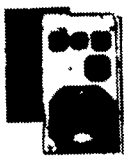

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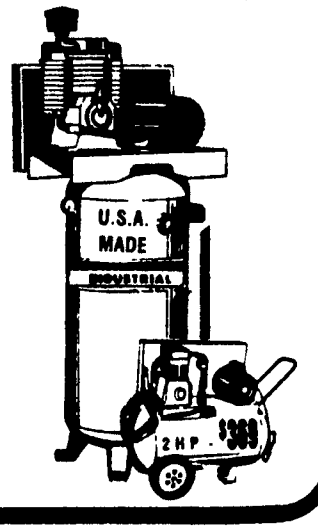


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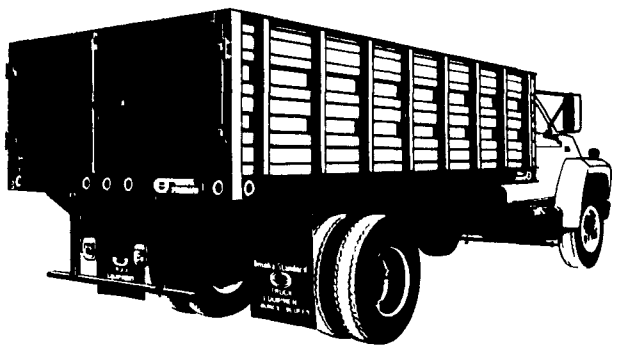

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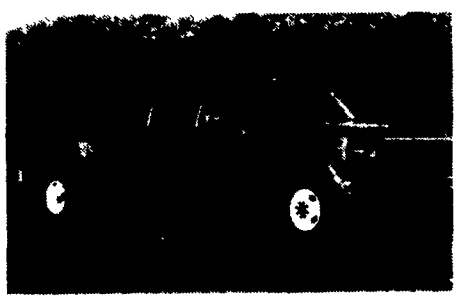

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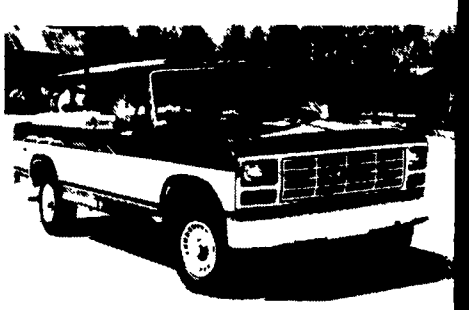

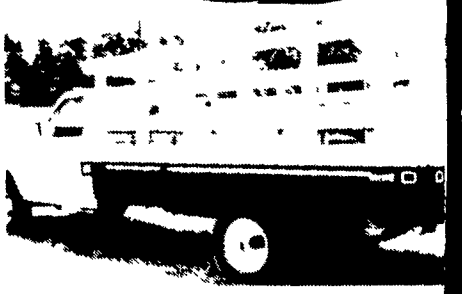

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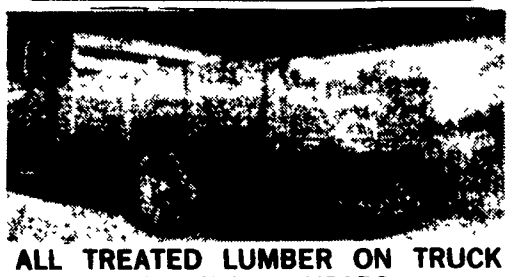

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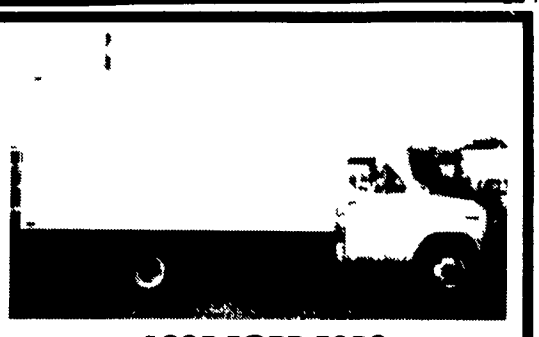

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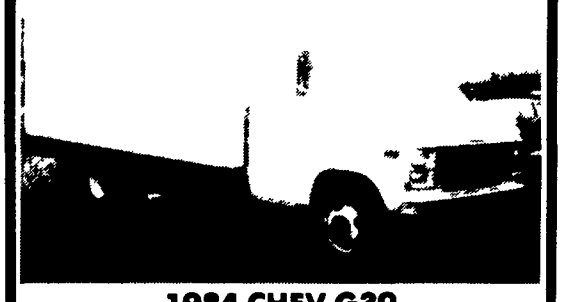

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FOR SALE: Beautiful 400 acre dairy farm on Lake Ontario, 2 sets excellent bldgs. Will finance. John G. Weiler, 315-649-2455

FOR SALE: Specially priced 350 acre farm, free stall, milking parlor, excellent water, exceptional colonial house. Smyrna, NY. 315-691-3591 eves.

For Sale: 27 Acres, 10 room house Northeastern Bradford County, PA. Allan Frisk Realty. 607-565-8391

For Sale By Owner Wayne Co., Pa. 198 acre dairy farm, 3 natural springs, large spring fed pond, main barn, heifer barn, silo, new Butler all metal machine shed w/ insulated workshop, 9 room Colonial house, 15 minutes from Interstate 84 & Interstate 81 Located 3 miles off Route 6 Call owner for details 717-488-6374 before 8 30 a.m. after 6.30 p m

For Sale by owner Dairy farm, Northern Lycoming Co., PA, approx. 257 acres total, 210 tillable, facilities for 70 cows, 2 houses. 717-523-1201.

For Sale: Operating Hog Farm, 98 acres of productive land, 9 bedroom remodeled farm house. Breeding to market. Lebanon area. ERA Brownstone Real Estate 717-273-9366

For Sale Operating Layer Farm, good profitable business, housing 60,000 layers, fully automated, located close to Route 78 ERA Brownstone Real Estate 717-273-9366

110 acre dairy farm Approx 80 acres tillable, 40 stall barn just remodeled, 2 silos, large house with 6 rooms on the first and second floor Could be made into two unit house School bus pickup Bradford County, 717-673-3021

74 acre beef farm, good water and good hunting, 9 RM house. 717-962-2338

237 acres Mountain Land, Juniata Co, Priced to Sell Leo Real Estate, 717-761-1052. Agent David Bomberger, 717-436-6982

327 acres, large brick colonial home, 1860, barn etc, highly productive limestone soil, modern grain setup, secluded panoramic view, only 5 miles to Carlisle and conveniences. Write for brochure. Box 84, North Dickinson School Rd., Carlisle, Pa. 17013

45 acres, 35 tillable, grapes, berries, fruit trees, vegetables, house, barn, bldgs., stream and pond. Schuylkill Co. 717-668-0441 after 8PM.

52+/- ACRES PRIME HUNTING LAND in Lycoming Co. in Cascade Township, $37,500. 717-368-8186.

57 acre farm, 45 tillable acres, 10 acres pasture w/stream, 78 Show Ease comfort stalls, pipeline system, 1,000 gallon tank, 20x70 Fickes Silo, 16x60 Fickes silo, 6 month manure storage system, 48x72 free stalls w/bunk feeder heifer barn, 36x48 Virginia style w/head gates heifer barn, implement shed 40x56 w/3 car garage attached, 4 bedroom frame farmhouse, partially remodeled. Priced w/all dairy equipment or without. Additional 60 acres available to rent. Southern Lancaster Co. 717-786-3598 or 717-786-3487

88 ACRE CUMBERLAND COUNTY DAIRY FARM: 100 free stalls w/ computerized feeding, double six parlor, three silos, manure storage. Three-car garage and restored stone house. John B. Niesley, R/E, 717-243-7575 (before 8, after 5).

NO 712-LIVINGSTON CO, NEW YORK: 200 acres, 150 tillable more land available to rent. 330 free stalls, double 6 parlor, 2,000 gal. bulk tank, 2 Harvestores, 2 cement stave silos. Beautiful 5 BR brick home built in 1793. This house has been remodeled with the exception of one room. For more information call Donald Yahn, Salesman, or Willard Pengelly Managing Broker, HARRIS WILCOX, INC., Broker, 716-494-1880.

Bradford County general farm, 152 acres. Land in high production, fenced/cross fenced; hog barn (could be converted back to dairy); new barn cleaner and silo unloader; large machine shed. House, 7 rooms, 1½ bath. Crops on land. Also rented land available. Excellent financing, $185,000 717-358-3129.

Central New York, stocked equip dairy farm, 119 acres, 35 milkers, tractors, equipment, crops, good house and barn, silo, $165,000. Complete Farrow Realty, Box 7, Earlville, New York 13332 Call 607-859-2554 or 315-855-4162 Turn Key Setup.

Dairy farm, rent or lease Northern Penna Two barns, 64 tie stalls, large home, 130 acres. Write P.O. Box 93, Denver, PA 17517

LYCOMING CO DAIRY OPERATION, 178+/- acres, 46 stanchion barn, large farm house, tenant house, 12x60 trailer, 3 silos, misc. buildings. 717-368-8186

NO 712-LIVINGSTON C O NEW YORK 330 free stall farm Double 6 parlor, 2,000 gal tank, 4 silos, manure lagoon 78 acres. 40 tillable Very nice 10 room brick house built in 1793 Price $245,000 For more information call Donald Yahn, Salesman or Willard Pengelly Managing Broker. HARRIS WILCOX, INC. Broker, 716-494-1880

Operating "Custom" slaughter shop, 45 acres, laminated rafter barn, other outbuildings, six room house Luzern Co 717-379-3780

Perry County, 145 acre farm, farmhouse, equipment building, cattle barn, machine shed, 2 silos, $170,000. Farmers Trust, 717-243-3212, Mr Sykes.

RESTORED LIMESTONE FARM HOME: Early 1800's, 9 rooms, 2 baths, center hall, 4 fireplaces. Original natural wood finish & exposed beams throughout. Limestone barn, 138 acres (rented out). Secluded at end of dead end township road. 1 ½ miles of road frontage. Carlisle-Shippensburg area. By owner. Will consider smaller acreage. Evenings, 717-776-7187.

**CHRISTIAN M. MOSEMANN**
Real Estate Broker
James L. Marsh
717-529-2678
Marlin Kreider
717-627-8244
E.M. Smith
717-933-8156

**LANCASTER CO.**

10 Acre Lot, northwest of Manheim near Ruhls Church, several miles from Lancaster/Lebanon interchange of PA Turnpike

**FRANKLIN CO.**

New Listing - Motel 2 Acres in Path Valley at turnpike Exit 14 & Rt 75 10 Units with 1 room apartment $70 000

New Listing - 165 Ac General Farm in path Valley near Exit 14 (turnpike) & Rt 75 $159 500 Frame bank barn 2 silos with unloaders 6 BR dwelling

New Listing - 103 acres dairy $135 000 Remodeled dairy 42 tie stalls calf area one 20x60 silo w/unloader one 10x30 silo shed 20x35 4 BR house

107 Acre Dairy w/2 silos w/loose housing 14 stanchions 2 dwellings w/conveniences

107 Acre General Farm w/bank barn 2 story chicken house 1 story hog finishing building for 200 head

**BERKS CO.**

159 Acre Dairy Farm - 2 4 BR homes several barns log house flour grist & feed mill (operated until 1984)

23 Acre Farmette - Berks Co General Farm 2 miles north of Rt 78 before Rt 419 exit near Shubert Bank barn tobacco shed 2½ story frame & stone dwelling

30 Acre Campground, 2½ story dwelling bank barn year round campsites & nightly campsites Rt 78 & Shartlesville exit 2 miles west on Old Rt 22

3 Acre Commercial lot & 3 acre or more residential lots Rt 78 501 exit along Rt 501 & Old Rt 22

**PERRY CO.**

61 Acres, mostly wooded along Rt 850 E of Kistler

130 Acres, frontage on Rt 17 N of Kistler 55 acres tillable remainder woodland Good hunting and fishing area

**LEBANON CO.**

10 A Woodland SE of Myerstown

152 Acre Dairy NE of Hershey 80 free stall Herringbone milking parlor silo bulk milk tank 5 BR dwelling w/conveniences

**CUMBERLAND CO.**

85 acre [SOLD] farm, dwelling and bank barn

75 Acre General - $152 500 1 frame bank barn 2½ story dwelling Limestone soil Under agreement

New Listing -60 A General farm north of Shippensburg 4 BR & bath log & frame house oil hot air heat 40x36 barn attached shed 12x24 40 Acres tillable balance wooded

106 Acre Dairy 27 tie stalls room for 50 cows loose housing 4 BR 2½ story dwelling w/conveniences

**CHESTER CO.**

150 acre dairy large stone house, ba [SOLD]

Other farms in many counties available

**SNYDER COUNTY**

Acres of Woodland overlooking Lake Walker About 6 miles Northwest of Middleburg

**CHRISTIAN M. MOSEMANN**
734 Main St., Akron, PA 17501
**PH: 717-859-1004**
24 Hour Service

Take over payments on time shared condominum at Treasure Lake, DuBois, Pa. Current buyer disabled and cannot utilize Over $2,000 already paid on $4,500 obligation Write for more information: Lancaster Farming, P.O. Box 366 K-124, Lititz, Pa. 17543

FREE CATALOG! Describing numerous PA farms, camps, acreage, cottages, homes and businesses. Write Dept. LF, WEST REAL ESTATE AGENCY, INC., 5528 William Flynn Highway, Gibsonia, PA 15044. 412-443-1200, IN PA 1-800-922-1235.

House and 20 acres of good bottom land bordering state land in Tioga County. Reasonalble. Will sell house and 20 acres as hunting camp or as farm. More land available. No Realtors. For more information call 717-724-7609.

YATES CO., NEW YORK: Farm, north of Penn Yan, 315 acres, remodeled farm house, barns. Terms available to qualified buyer., Priced to sell at $229,000. Call on 105A Century 21 Four Seasons, Penn Yan. 315-536-7456.

YORK COUNTY
100 acres more or less, mostly planted to apple trees in full production. 2-story frame house, bank barn, storage building, $195,000.
Also 55 acres w/bank barn and gorgeous view, $105,000.
Anchor Realty, 717-225-3643.

If you're looking for a farm, land or have any other real estate needs, you'll find what you want in the Real Estate classifieds. 717-394-3047 or 717-626-1164.

The opportunity you've waited for. Milford, DE, area. Approx 9 acre farm set up for a chicken breeder farm. Weekly guaranteed income Profitable history. 2 breeder houses, total capacity 14,000; 2 story 4 yr. old dream home, swimming pool, etc. Call for appointment. Harrington ERA Realty Co. Ask for Lulu Wilkins, 302-422-2424 Home 302-335-5733.

**FREE CATALOG**
#56 Farms, Homes & Businesses in 15 States.
**American Farm Digest**
3546 Watson Rd.
St. Louis, MO 63139
**800-325-9943**

**Huntingdon County, PA**
**Burnt Cabins Area**
111 acre mountain farm, stream, woods, fields, road frontage, home barn, outbuilding, private. Nice view.
**Koons Real Estate**
**717-597-8300**

**HORSE FARM**
Near I-83 at Shrewsbury, PA. 146 Acres, large renovated house, 3 barns, 23 stalls, 5 paddocks, 2 ponds, stream, financing, $500,000.
**301-879-1074**

**For Sale by Owner**
**York-Adams County**
**180 Acre Farm,** 9 room stone house, large barn, silo, other buildings in good condition. Currently set up for beef cattle. One mile road frontage. 4 miles North of East Berlin off Rt. 194 on Fish and Game Road.

Also 40 Acre tract adjoining this farm.
Ph: **717-764-3568**
**717-792-9643**

**Juniata Co. Acreage**
**13 ac. wooded, easy access;**
**10 ac. wooded, septic system;**
**8½ ac. wooded, trout stream;**
**1½ ac. Juniata River frontage;**
**1/3 ac. wooded, stream, road frontage.**
**"Owner must sell".**

**Larry Long Real Estate**
RD #2, Port Royal, PA 17084
**Ph: 717-527-4784**

**FARMER OR INVESTOR**
200 acre showplace dairy farm, modern 80 cow tie stall barn, 2" pipeline, 6 units, 4 silos, good 3 BR home, good land, nice location. Cattle and crops available.
**Farmer will lease back.**
**Financing available. $190,000.**
**More land available.**
Call Posson Realty
RD 3, Norwich, NY
607-334-9727

**RED HOT SPECIAL**
**Layer operation with cages for 22,000 layers. Building 40x400 with all equipment. Plus modern 3 BR ranch style home on 2½ acres. Priced at $99,500 with more acreage available.**
**Call Century 21**
Autray, Hoffer, Zink
Agent, Walt Heisey
**717-367-2362**

**HARFORD COUNTY FARMS FOR SALE:**

**CHURCHVILLE AREA** - 200+ acres w/stone & brick 18th century home; guest hse; 2 tenant hses; bank barn & more! Good working farm

**NORRISVILLE** - 50+ acres w/good barns, 3 br farmhse, ready to go!

**Call 301-838-6980 or 301-879-4530**
**Or Write For Brochure**
**2000 Grafton Shop Rd., Forest Hill, MD 21050**

**Franklin County**

**114 Acre complete dairy operation. Modern creek frontage. Buildings in excellent condition. 100 acres tillable, $170,000**

Other farms available.

**J.L. Lutman Real Estate**
**717-267-1355**

**Union County**
100 acres, 4 bdr. home, adjacent to Mifflinburg, approved for city sewage, lots of road frontage. Reduced. Make Offer. Owner Wants To Sell. Call Bob

**Snyder County**
150 acre farm, nice home. Make Offer. Owner Wants To Sell. Call Bob.

**NO DOWN OR RENT OPTION**

**Southern Northumberland Co.**
44 acre farm, 25 tillable, 2 homes - barn, stream. Call Peter.
50 Acres, no house, tillable, pasture & wooded, stream & pond. $39,000. Call Peter.
75 acre well-maintained Christmas tree farm, 1-4 yrs. old, Minumum 50,000 trees, 10 acres still open, no house. $150,000. Call Peter.
95 acres, 75 tillable, no home, $1,550/acre. Lease option. Call Peter.
90+- acre modern 200 sow farrow to finish hog farm, 15 acre young productive orchard, 2 homes, large pond, $229,000. Call Peter.

PETER B. **CORTELYOU**
Real Estate Herndon, PA 17830
Peter B. Cortelyou, Broker 717-758-9177
Bob Yarger 717-648-6217

**RETREAT** - 2 sty. farmhouse, 2-car garage $29,900. (M-1790)

**10 ACRES**- surrounds 3 BR mobile with 2 wells/stream. $25,500. (M-1773)

**RETIREMENT** - 3 BR rancher, 2.37 acres w/views valley below. Needs TLC but a buy at $25,500. (M-1764)

**$450/ACRE**, ¼ wooded, 68 acres total $30,900. (M-1749)

**TRAILER PARK** - fully rented, 3 BR home, 5 trailers owned, 20 sites total. $128,500. Will sell without trailers also. (M-1744)

**FARMETTE** - 8 acres w/Dutch Colonial, horse stables, $58,500. Add'l 30 ac available $500/Ac. (M-1738)

**FREE LISTS**
**ERA-Homestead Realty**
**267 S. Main St.**
**Mansfield, PA 16933**
**717/662-3287**

# SHEETZ REAL ESTATE
# RAY N. WILEY INC.

323 W. Main St.
Mount Joy, PA

**CALL 653-1481**

**FARM LISTINGS NEEDED**
Farm Salesman - Eugene Kreider

# WIMPLE ASSOCIATES

**HIGH-CLASS REGISTERED HOLSTEIN FARM** near Cooperstown has 265 acres of rich, Honeoye soil with 160 tillable and 100 pasture. Modern barn has 73 ties on new pipeline, new cleaner, 2 large silos. 2nd barn has 12 ties and 28 metal swing stalls, cleaner Excellent set-up. Nice 7 room home, garage. **INCLUDES:** 140 head with 76 milking, tractors and modern line of machinery. Selling only due to injury. **JUST LISTED! $297,000** with LOTS of low interest assumables. **CALL WIMPLE'S SLOANSVILLE OFFICE: 518-875-6355.**

**LARGE FIELDS...FEW STONES** on this 300 acre farm near the Pennsylvania border with 156 acres tillable, 68 pasture and 75 woods. Hip roof barn milks about 40, has cleaner, 14x50 and 18x50 silos. Room for 10 more stalls. 30x60 tool shed Good 3 bedroom home. **ONLY $98,000 or $140,000** stocked and equipped. For appt. call 607-792-3355 or **WIMPLE'S SLOANSVILLE OFFICE: 518-875-6355 FREE DAIRY CATALOGUES.**

## FARMETTE FOR SALE

Nice 90 Acre farm with large 2 story barn, 14x35 cement silo - bunker silo - 32x80 machine shed with shop. This is ideal for beef, sheep or dairy. 60 acres tillable - more, or more land is available if desired. Nice 5 bedroom 2 story home. More details on request. In Tioga Co. Penna. **Price $99,500**

## FULLY EQUIPPED FARM

Complete operating farm with 300 acres, and with 55 mature cows. Full line of nearly new machinery in excellent condition. 20x70 new silo. 36x150 dairy barn - 38x50 heifer barn - 20x30 tool shed with shop. Large landscaped pond. Nice 9 room farm house. Call for more details. In Tioga Co., Pa. **Price $350,000.**

**Endless Mt. Real Estate**
**#1-203-A, Covington, Penna. 16917**
**717-659-5684 - Office**
**717-549-4173 - Res.**

**220 WOODED ACRES** borders State Forest Land, stream, hunting $93,500 (W-1210

**RETIREMENT** - 17 acres surrounds 3 BR, 1½ bath rancher, garage, basement, country setting, low taxes $52,000. (W-1102)

**GEODESIC DOME**, on airstrip & ski slope, near Grand Canyon of PA. $50,000. (W-766)

**HIDE-A-WAY** - mobile on 42 acres, woods/open, stream, hard road More land is available. $25,000 (W-815)

**FARMETTE** - farmhouse and barn on 10 acres. Country setting $39,000. (W-971)

**20 ACRES** - 6 woods, small stream, hard road $10,000 (W-943)

**34 ACRES** - beautiful views of valley $15,000. (W-1040)

**FREE LISTS**
**ERA-Homestead Realty**
**23 E. Ave.**
**Wellsboro, PA 16901**
**717/724-7161**

## FOR SALE BY OWNER

**167 acre northeast Pennsylvania modern dairy farm. Mostly tillable w/2 houses, nearly new free stall & dry cow facility, 4 silos w/unloaders, automatic feeding, double 6 totally automated parlor, 1500 gal. bulk tank, large new machine shed, 150 head of cattle, some machinery included.**

**717-222-4432**

Large house for sale or rent by owner, in Muncy Borough. Suitable for 1 or 2 families. Newly painted & in good condition. Near schools & churches. Suitable for offices or studios, etc. Phone 717-546-5981. If no answer, 717-546-5495.
**Milton Hoffman,**
**Muncy- Chief Hybrids,**
**Muncy, PA**

## FAMILY DAIRY CLASSIC & LAST OF ITS KIND

**Truly a magnificent farm with special setting & showplace qulality on 233 acres, 207 tillable. Greatly improved land & owners are meticulous in all phases of operation. Excellent 66 tie stall barn with 2" pipeline, additional heifer areas, 20x70 Harvestore & 18x50 concrete silos. Two large machinery buildings, 5 ponds, alfalfa seeding. Immaculate 4 bedroom home exhibits a special warmth and quality, and boasts a new kitchen. 85 head Holsteins, half registered, 17,000 lb. DHIA and large super line up of John Deere equipment in excellent condition. $325,000 complete for turnkey operation. Owner terms for only the strongest candidates.**

Farm and Rural Property Specialists
**Homestead Realty**
Auriesville Road RD 1
Fultonville, NY 12072
**(518) 922-6301 OR (518) 922-8899**

## FOR SALE OR LEASE

**Established Agriculture Business**

**Located in the heart of Morrison Cove, two miles south of Martinsburg, Penn. Consisting of 1.6 acres of ground, which includes 3 warehouses and a garage of a total of 19,000 sq. ft.**

**Fertilizer Equipment Available. Plus Other Equipment.**

***Excellent Location and Facilities.***

**Call For Other Possible Arrangements**
**Phone 814-793-2118**

**EXCELLENT VIEWS**, open, secluded, excellent building site Close to State land, near Beechwood Lake 13+ acres only $7,200. W-1107

**COMMERCIAL PROPERTY**, Prime location on Route 15, 6 acres with building. Ideal for produce stand, retail store or office. $23,500. W-1103

**EXCELLENT INVESTMENT OPPORTUNITY**, 4 unit apartment house Convenient in-town location Large lot for possible expansion Fully rented. Call for details $52,000. W-1087.

**SMALL DAIRY FARM**. Good remodelled barn Stanchions for 34 head 7 year old ranch home Convenient location 35 acres Active dairy operation until recently, $72,500 W-1126

Century 21
**THE REAL ESTATERS OF WELLSBORO**
**East Ave., Wellsboro, PA 16901**
**717-724-5921**
*Call or write for free list*

**SPORTING GOODS STORE** with inventory plus 2 apts & one other store front Great place for you to be own boss $95,000 (D-501)

**AFFORDABLE** older home, mostly remodeled, large lot, outskirts of town Ideal for camp or home $16,673 (D-494)

**61 ACRES** - plenty of road frontage, open, wooded, small stream, old trailer to get out of the weather Potter County locale $27,450 (D-464)

**FARMETTE** - 105 acres, 14x70 mobile, small barn, pond and easy access Scenic views overlooks valley $68,000 (D-482)

**SUPER SITE** - 10 acres, corner lot, mostly wooded, near Genesee River Super fishing Priced to sell at $6,750 (D-410)

**CALL OR WRITE FOR FREE LISTS**
**ERA-Homestead Realty**
**168 W. Main St.**
**Westfield, PA 16950**
**814/367-2222**

**RICHFIELD AREA**

**Ranch dwelling on 1 plus acres, 3 bedroom, full bath, kitchen w/dining area, living room, full basement, electric heat, fireplace, wood stove in basement, wall-to-wall carpet throughout, small barn. Hunters paradise. This well kept rancher is situated in the mountains. Very private, beautiful setting. $39,900.00**

**717-463-3330**
**evenings or Saturdays**

## C.P. McGARVEY
**Real Estate**

RD 1, Loysville, PA — Perry & Juniata County
Charles "Chuck" McGarvey, Broker ..... **717-789-3974**
Joan McGarvey, Agent — Ron Shields, Agent

Juniata County— 1 acre near Perulack, Hunting camp, well, wooded, pavilion, nice. **$11,500.**
Mobile Home— 1 acre, new well and septic Hidden Valley Road **$15,900.**
2 Bedroom Rancher— Outbuilding on 10 acres Full trees, berries, bordering State Forest Land along Rt. 850 above Kistler **$69,500.**
Mobile Home— Foot of Bower Mt , ½ acre, no well **$13,000.**
Juniata County— 10 acres with septic, wooded along Rt 850 **$14,900.**
Kistler— Nice 4 bedroom home with large addition for a store or business, was a grocery store Ideal location **$42,500.**
Blain Hotel & Restaurant— Fully equipped, recently remodeled Good income property **$105,000.**
4 Bedroom Home— In Blain Large lot, nice shape, nice rec room, large basement All modern **$48,500.**
144 Acres Wooded— Rte 17, 50 ft right-of-way, near Kistler, **$84,500.**

**Lots, Acreage and Woodland**
**Available at Reasonable Prices**

## Germany Valley

2 adjoining farms, totaling 316 acres, approx. ½ tillable, has old stone house, large limestone caverns over 200' long w/underground stream coming out of ground w/trout reproducing in it Would make great recreational development or farming $850 per acre.

## Dairy Farm

With 8 room & bath brick home, 136 acres w/approx 100 acres tillable Limestone ground, 40x100' modern barn w/47 stanchions, 40x72' free stall barn, pipeline milk system, 1200 gal. bulk tank, 14x65' concrete silo w/unloader, 40x80' & 20x60' implement buildings w/corn cribs along side, many other extras Located in beautiful Germany Valley, $195,000

## Southern Huntingdon Co.

Dairy farm, 175 acres w/150 acres tillable, large barn w/44 stanchions, 2 nice homes, stream & good spring on property Many other extras $285,000

**Colonial Real Estate Agency**
**814-447-5511**

## CENTRAL PENNSYLVANIA FARMS, FARMETTES, LAND & CABINS

We presently have one of the largest selections of farms, farmettes, land and cabins available in central Pennsylvania. We have over 50 exclusive listings.

Our Farm and Land Department would be happy to mail a free, detailed farm and farmette list or land and cabin list to you.

**See the August 9 and August 23 issues for a complete farm inventory.**

**FARM AND LAND DEPARTMENT**

Fred Strouse (814) 364-1705
Don Myers (814) 422-8111
Mel Rockey (814) 466-6688
(Bedford) Richard D. Reed (814) 839-4271
(Huntingdon) Rachel Port (814) 669-4194

KISSINGER LEONARD & BROWER Realtors

Frederick J. Kissinger, Realtor
William H. Leonard, Realtor
Ralph F. Brower, Realtor
245 S. Allen St.,
State College, PA 16801
(814) 234-4000

ERA

KEY
REAL ESTATE, REALTORS
Hanover
Gettysburg
York and
Westminster

**Cumberland County** horse or beef farm, 155 acres with large brick fairly new home, 3 yr old Morton Building 54x108, Bank Barn, Grain Storage, Pond, Stream, Large Frontage, Seller will consider financing or sell with smaller acreage L 5224-15 $249,000

**Adams Co. Farms:**
45 acre beef or horse farm, near Md line L-5065-15 $135,000

50 acre beef or horse farm near Gettysburg L-5194-15 $135,000

83 acres industrial land near Cross Keys L-5236-15 $135,000

**717-632-6400**

**Snyder County**

**130 acres, 90 tillable, 3 BR home, pond, barn for steers. $175,000.**

**115 acres, fruit farm, 2 homes, barn. Will subdivide.**

**130 acres, 105 tillable, 2 homes, barn for steers.**

**145 acres, 100 tillable, 12 room home, and barn.**

**125 acres, house, barn, and cabin.**

**Exceptional 2 story home with stables & pasture. Very private. 4 acres. $159,900.**

**Union County**

**56.5 Acres, 45 tillable, 2½ story log home, barn, straw shed, silo and other outbuildings. Very private. $88,900**

**18 acre mini farm, house, barn, workshop. Union Co. Would be ideal for nursery or horses. $79,500.**

**Integrity Real Estate**
**717-837-1061**

## BEDFORD COUNTY DAIRY FARM

**111 acre. Barn with 45 stanchions, Universal Pipeline, 3 silos, loafing barn. 2 houses, both in excellent condition. $290,000. Owner financing available at 20% down.**

**717-569-2335**

## HONEY BROOK AREA

**Commercial**

4800 sq ft on 2 levels. Main level has stone front Lower level has 3 overhead drive-in doors, presently used as contractors depot. Located on corner lot of nearly an acre on Rt. 10. Public sewers. Asking $110,000.

**RESIDENTIAL**

Attractive pointed stone 16 year old home, built by quality custom builder on 2 acres in quiet setting of Amish farms. Approx. 3600 sq ft. of living area, entrance foyer, living room, dining room, family room, breakfast area and fully equipped kitchen combined. Office, 3 bedrooms including master suite on 1st floor. 2 bedrooms plus 22x40 inlaw quarters w/kitchen, 3 stone fireplaces, central air, central vacuum, large enclosed patio overlooking pool & jacuzzi Oversized 2 car garage. An excellent property $250,000

**Porter & Painter Realtors**
Exton, Pa. 215-363-7700

## Juniata Co. Farms & Acreage

**110 ac.**, 90 tillable, 32 tie stalls, cement bank barn w/hip roof, milk house, 8 room stone and frame house. Will subdivide buildings and 20 ac's. Complete farm, $149,500.

**125 ac.**, 50 tillable, ½ mi. creek frontage, secluded along twp. road, bank barn converted for 16,000 broiler chickens plus lower floor for hogs or cattle plus grain storage. Six room ranch dwelling in excellent condition, $129,500.

**23 ac.** level woodland, twp. road frontage, elec. Will subdivide 10 ac. - Total of 23 ac., $25,300.

**34 ac.** woodland, secluded, $25,000.

**86 ac.** level woodland, borders state land. Suitable for cabin or perm. home site, $40,000.

**13 ac.** wooded, easy access, suitable for cabin or perm. home site. "Owner must sell."

**10 ac.** wooded, septic system, easy access. "Owner must sell."

**2½ ac.**, wooded, sewage permit. Secluded, elec. "Owner must sell."

**Larry Long Real Estate**
**RD #2, Box 410, Port Royal, PA 17082**
**Ph: 717-527-4784**

## 120 ACRE DAIRY FARM

A super operation for the serious dairy farmer Very nice log construction farmhouse. Large 60 cow bank barn w/extension, poultry building, implement building, brooder houses, 80' bunk feeder. Harvestore 20x70, Harvestore 20x36 Hi-Moist, 16x50 conc silo, large pond. All buildings and equipment well maintained Beautiful Northern Berks country setting. Offered at 250,000

**FOR MORE INFORMATION, OR HELP IN SELLING YOUR FARM OR RURAL PROPERTY, CALL**

**"SLIM" BROSSMAN—**
**PENNSYLVANIA FARM REALTY**
**Res.— 717-754-7343**
**Off— 800-831-2244**

## SOUTHERN LANCASTER COUNTY DAIRY FARM

**A high productive 141 acre Dairy Farm located 2 miles South of the Buck along Route #272. Below are listed a few of the many features:**

- Main barn 140'x40' with 60 tie-up stalls
- 2 Harvestore Silos and 1 stave all with auto unloaders
- Modern pipe line with 10,000 gal. Dari Kool tank
- Automated liquid slurry storage system
- Pole building measures 40'x70' for dry cows and heifers
- 2 1200 Bu. storage bins for shelled ear corn
- Large 98'x40' Implement shed, cement floor, 14' ceilings 6 large sliding doors, 3 car garage, and roomy workshop
- The house consists of 4 bedrooms, 1½ baths, oil fired hot water heat, modern kitchen & bath.
- All buildings and mechanicals are in excellent repair

**Priced at $4,200 per acre**

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**for additional information**
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**Claude F. Bechtold ML 12028**

**FREE - 10 Day Hawaii Trip For Two With Purchase.**

**Montour County R.D. 1 Danville, PA**
**This elegant farm house was totally remodeled and rewired. Four bedrooms, two full baths with 2500 sq. ft. of living space makes this total electric home so desirable. Attached is a 1 car garage. 150 A. of gently sloping farmland has great potential: 72 tillable, 70 woodland and good hunting, balance in well-groomed lawns. 31'6"x37' block building includes 2 car garage, workshop, cold cellar and tractor shed 20'6"x51' machinery shed has metal siding and roofing. The 40'x64' bank barn is in excellent condition and has self feeders and waterers. White picket and board fences provide the perfect setting for one of Danville's most prestigious farms, 4½ miles NW of town on PA Route 642. Serious, qualified persons may call for more details. $280,000**

**MARIE A. JAMES, Owner**
**(717) 275-3779**

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**90-Acre Perry County Farm-** Numerous possibilities - farm, hunting, development. Approx. 50 acres tillable, 30 acres woodland, small pond. Partially remodeled, 2-story, frame home with 3 bedrms., frame barn and new, 1-car garage. Easy drive to Harrisburg. **Asking $110,000.00**

**Newport-** 55-acre, horse farm. Secluded, yet close to town. True! This farm features O-stall, block horse barn, and other outbuildings. 2-story frame, 3 bedrm home, with large, country kitchen; oil heat. 27 acres tillable, 20 acres wooded. Must see to appreciate!

**RD Duncannon-** Partially remodeled, 4-bedroom, 2 story frame dwelling on 3.7 acres of cleared land and small, spring-fed pond. Garage & other outbuildings. **Asking $41,900.00**

**Northern Perry County-** 39 acre tract woodland with road frontage. Good hunting area **Asking $35,000.00**

**Juniata County-** 17-acre, woodland tract near State gameland. **Asking $19,500.00**

**New Germantown-** Pull your camper onto a ½-acre lot in the heart of Perry County hunting area **Asking $4,000.00**

**Sales Agent: Neil Wingenroth**
**Phone: 717-536-3236**

**Fred E. Morrow Broker**
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## YORK COUNTY FARM

**R.D. #1, East Berlin** - 66 acres on Rt. #194 having over ½ mile of road frontage - 2 all brick houses, buildings currently set up for beef cattle. In good to excellent condition. Price - $275,000.

## ADAMS COUNTY FARMS

**R.D. #1, York Springs** - 85 acre working farm with 5 bedroom home. Large barn in excellent condition with 8 additional outbuildings. Excessive road frontage, 1½ acre pond (17' deep). Price - $275,000.

**R.D. #1, York Springs** - 56 acre fruit farm with 4 bedroom home with outbuildings currently set up for fruit operation. All trees in high productive state. 1 acre pond. Price - $175,000

**Call Joanne or Dan Witmer at 717-432-8265 or call**

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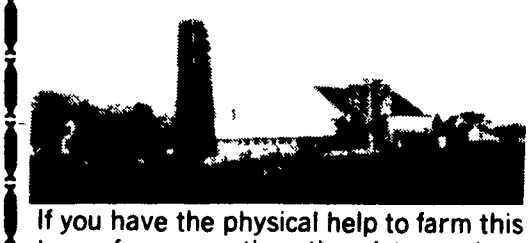

If you have the physical help to farm this type of an operation, then let me show you a tremendous opportunity. Total of 342 ac. w/about 235 T.A. Has 2 good houses, huge bank barn & a 60 tie stall addition w/rubber mats & manure storage. Wooded area has large Walnut grove. 20x70 Blue silo & 2-14x45 concrete silos, 2 nice streams & nearly level land in high state of cultivation. (He boasts 170 bu. corn/acre.) Punchline: At their age & physical condition and with no children to take over, it leaves an excellent opportunity for a younger man wanting his own operation. At very reasonable interest rates and a price you can truly "live" with! Note: 40x135 equipment shed. Call me today for more details! Possible turn-key operation.

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**NICE LOCATION** - 275 Acres near Fredericksburg, Virginia, 185 fertile open acres, located on primary highway near Rappahannock River, $400,000.

**EXCELLENT FARM** - 375 Acres in Westmoreland Co., VA, 300 acres open, excellent soil, water, close to Rappahannock River, $425,000.

**FARM OR INVESTMENT** - 792 Acres in fast growing Spotsylvania Co., VA. 350 Open acres with water and large lake potential. Well located for farm or investment. Brick home, barns & silos included. $875,000.

**WATERFRONT** - New 3 BR log home with sunken jacuzzi on water, 1 acre plus, located on creek with access to Potomac River and Chesapeake Bay, $155,000.

**IDEAL RETIREMENT** - 3 BR frame aluminum siding, new roof, immaculate inside & out with lare utility building, on 1 acre located close to primary highway convenient shopping, hospitals, so forth $65,000.

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**804-633-5902**
**Johnson Realty Co., Inc.**
**804-493-8977**
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George Ebener 249-4979
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## AUCTION

**69 Acres, Schaefferstown, Lebanon Co August 28, 1986 at 2:00 p.m**
**See Auction Ad.**

**NEW LISTINGS**

**UNION CO**
White Deer Valley is the home of this exc dairy farm with 130 ac tillable 52 stanchions bunk feeder ex limestone soil hay barn and brick farmhouse with 2 baths and 5 bedrooms Call Fred Clark (717) 523 7201

**JUNIATA CO**
Beef farm ideal for an investor since the neighbor has been farming the land for many years and wishes to continue The modern farmhouse is in exc condition with large rooms A buy at $199 900 Call Shirley Waterman at (717) 242 1774

22 ac near Licking Creek Exc hog operation or could be veal See this one today call Dick Crawford (717) 734 3673

**PERRY CO**
110 ac dairy with 24 stanchions and 30+ free stalls There is approximately 100 acres for rent on adjoining farm This farm is in a high state of cultivation Home has recently been modernized insulated and is in excellent condition This beauty is priced at $219 500 Call Sandy Leaman (717) 569 4264

**LEBANON CO**
Country gentleman estate with large modern brick home in ground pool barn and approximately 60 acres but could be bought with less acreage Also a Layer operation Call Ken Young for all the details (717) 426 1098

139 acres with double 3 milking parlor 66 88 free stalls bulk tank and large home beautiful setting Call Sandy Leaman at (717) 569 4264

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**COLUMBIA CO**
164 acre beef farm but could be renovated for dairy There is 142 ac of real nice fertile tillable acres 2 barns 2 houses and other buildings Call Pete Zeisloft at (717) 437 2305

***"We Serve Your Farm Needs"***

**Call**

ANY COUNTY CALL SHIRLEY WATERMAN 717 242-1774
UNION AND MONTOUR COUNTIES CALL FRED CLARK AT 717 523 7201
COLUMBIA AND NORTHUMBERLAND COUNTIES CALL PAUL PETE ZEISLOFT AT 717 437 2305
LANCASTER COUNTY CALL KEN YOUNG 717-426 1098 OR SANDY LEAMAN 717 569 4264
DAUPHIN COUNTY CALL PAT KAUFFMAN 717-896 8958
BRADFORD COUNTY AND LYCOMING COUNTY CALL BARBARA LAMONT 717 297 2619
JUNIATA PERRY FRANKLIN COUNTIES CALL RICHARD B CRAWFORD 717 734 3673

## SALE OF FARM BY UNITED STATES GOVERNMENT

Farm consisting of 100 acres, more or less Approximately 50 acres are in cropland, balance in pasture and woodland Barn is a 45± tie stall dairy barn, built in 1920 with an addition built in 1977 Also included is a loose housing heifer shed, and a 20'x50' wood stave silo Dwelling is a large 2 story home with a full basement The home was built around 1920 with a large addition built in 1973 Farm is located on Sickler Road, Washington Township, Wyoming County, PA, approximately 3 miles Northeast of Meshoppen, PA, being formerly owned by Harry and Patricia Heiser

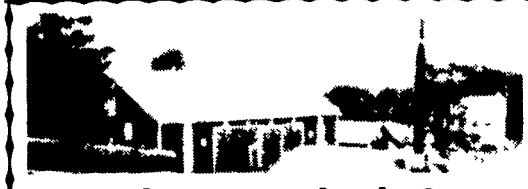
**BID DEPOSIT**
Bid must be accompanied by certified check, cashiers check, postal money orders, bank money order, bank draft, payable to Farmers Home Administration, for at least 10% of the total bid Preference will be given to a cash offer

**RATES AND TERMS**
**A minimum of ten percent (10%) down payment is required with terms on the remaining credit not to exceed 25 years or a period for which the property will serve as adequate security, which ever is less. The interest rate will be determined at the time of approval of the credit requested based upon Farmer Program ineligible interest rate published in Farmers home Administration (FmHA) instruction. The current rate is available upon request of the FmHA county office. Rates and terms available to a bidder considered eligible for FmHA regular loan programs may vary.**

**TERMS OF SALE**
Contact the County Supervisor, Farmers Home Administration, R D. 3, Box 27 F, Montrose, PA 18801 for an appointment to inspect the farm Sealed bids are invited and will be accepted until 10:00 am EDST, August 28, 1986 at the Farmers Home Administration, R.D. 3, Box 27 F, Montrose PA 18801 and will be opened publicly at 11:00 a.m. at the same date and place. The Government reserves the right to reject any or all bids. This farm will be sold without regard to race, color, religion, sex, age, national origin, or marital status This property is being sold subject to the Environmental Regulations of the USDA

This farm property contains highly erodible land and will be sold subject to the requirement that the successful bidder must contact the Soil Conservation Service (S.C.S.) so that a conservation plan can be developed PRIOR to the completion of the sale

For further information and bid forms, please contact the Farmers Home Administration, R D 3, Box 27 F, Montrose, PA 18801 Telephone number 717-278-3781
BUYER TO PAY 2% TRANSFER TAX



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**Realtor**
R.D. #3 Box 381A
Danville, Pa. 17821
**717-275-2491**

**FOR SALE**

R.D. #3 Lewisburg, Union Co., Kelly Twp., 3 miles from Rte. 15, 8 miles from I-80 - 73 Acre farm with or without machinery, livestock (40 head of beef), and some household personal property. Large 8 room, brick, aluminum siding dwelling with 4 fireplaces. Large barn plus, other outbuildings, all in good condition. Large spring and free city water plus, stocked fishing stream through farm. 50 highly productive acres under cultivation, balance pasture and woodland. Price - $189,000. $65,000 down and balance financed by owner amortized 30 years, 10% interest. To appreciate this property you must see it.

Everything - 3 farm tractors included with machinery $189,000.

Farm, some household items, and farm machinery - $169,000

Plain farm - $140,000

All three ways is $65,000 down, balance 30 years 10% interest.

Owner must sell due to health.

Prices are negotiable.

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**OTHER FARMS AVAILABLE**
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• 5 acre Dairy Farm Modern 74 stall dairy barn Bulk tank steel pipe line, barn cleaner 20x32 Harvestore silo and 20x60 concrete silo Manure storage Modern Ranch home with 4BR's, Kit DR LR, Bath and Den $145 000 Also second house available

• 500 Acre Dairy Farm, 450 tillable, features 184 freestall dairy barn, 125 stall heifer barn, double-8 milking parlor two 1 000 gal bulk tanks, two 100' bunk feeders three 24x60 and one 20x60 concrete silos w/unloaders, lovely 4 BR home w/kitchen, LR, FR, office, den laundry & bath 2nd home 3 BRS & bath Spring fed pond & much more Call for details $650,000 Cattle & machinery available

• 188 Acre 130 T Dairy farm with large double 13 room house 3 car garage 86 stall barn 1 000 gal tank pipeline milker barn cleaner large machinery shed $165 000 Cattle & machinery available under separate contract

**SUSQUEHANNA COUNTY**

• 565 Acre dairy farm Features 145 stall barn heifer barn large machinery shed, 2½ story house with kitchen dining room living room office, family room laundry 3 bedrooms 1½ baths 2nd House Modern 3 bedroom with kitchen dining room, living room and bath Apartment with modern kitchen living room, dining room 3 bedrooms 1 baths 3rd House New 2 bedroom, kitchen living room and bath $750 000

**POTTER COUNTY**

• 116 Acre hunting ground 30 acres open balance wooded, borders 2 roads & river Possible Owner financing $50,000

**LEHIGH COUNTY**

• 100 Acre dairy farm 80 tillable features 90 cow free stall barn w/freshening area and bulk feeder, 36 stall milking barn w/pipeline milker, bulk tank, barn cleaner Lovely 2½ story home large kitchen, DR, LR, laundry, 5 BR, 2 baths, full attic & basement (2) 20x60 Harvestore silos, 20x80 concrete w/unloader Stream & pasture level land $300,000

**TIOGA COUNTY**

• 800 Acre Dairy Farm 400 T 2 very good, lovely homes 83 stall dairy, barn Steel pipe line 1000 gal tank and barn cleaner (2) 16x60 and (1) 14x40 silos with unloaders Large heifer barn $365 000 Full line of machinery and cattle available

• 122 Acre, 100 T dairy farm 47 tie stalls with 24 free stalls 800 gallon tank, barn cleaner pipeline milker 20x60 concrete silo with unloader, good house with kitchen dining room 2 living rooms 3 bedrooms and bath $110 000

• 126 Acre farm, 70 T, 45 pasture, balance wood land Land only Near above farm $65 000

**SCHUYLKILL COUNTY**

• 234 acre woodland tract joins state gamelands borders Rt 81 & secondary road, Pine Grove area good hunting area, call for details, $175,000

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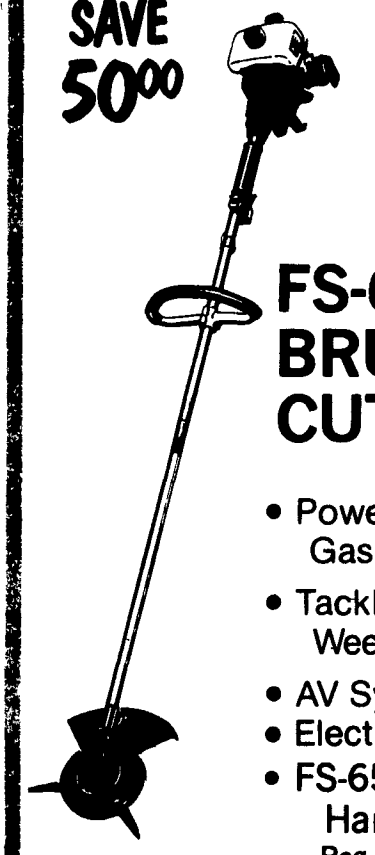

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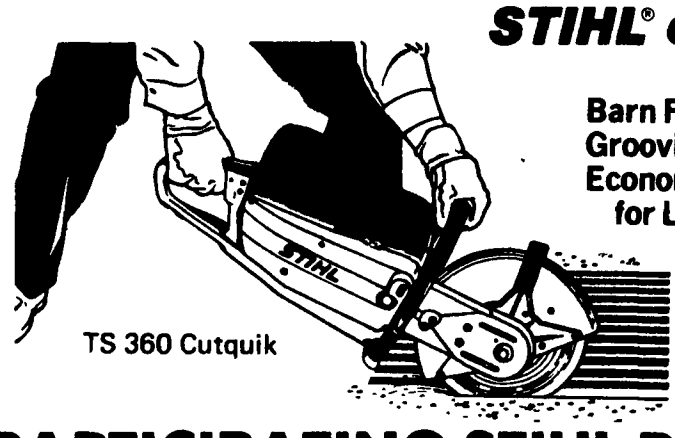

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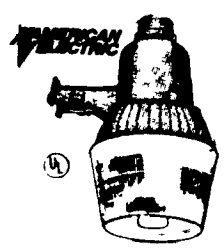


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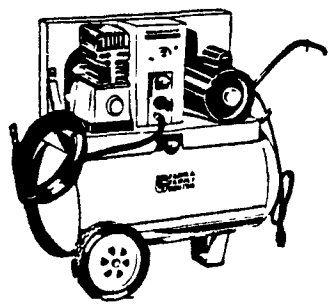

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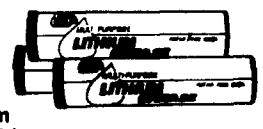

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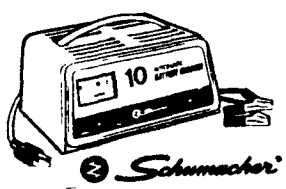


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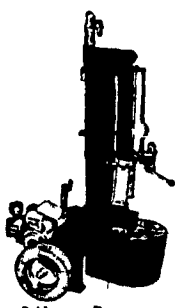

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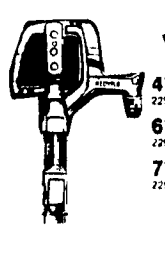
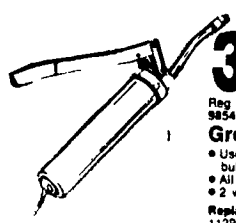
- 2-11 [illegible]
- 5,000 [illegible]

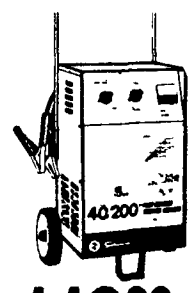


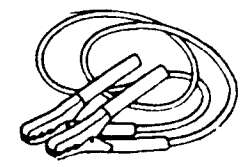
Frost Proof
**Yard Hydrant**
- 4½' Hydrant 22992 0 0 — **25.99**
- 6½' Hydrant 22990 0 0 — **27.99**
- 7½' Hydrant 22991 0 0 — **29.99**



**3.99**
Reg 4.29 / SAVE 6%
9854 069
**Grease Gun**
- Uses cartridge or bulk grease
- All steel
- 2 way plunger

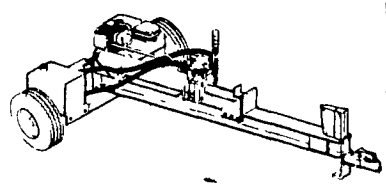
Replacement Thin Nose Coupler
11291 121 Reg 1.59 **SALE 1.39**



**BOOSTER CABLES**
8 cable is 10 ga. copper, 12' cable is tangle free 8 ga. copper. Clamps are 150 amp copper plated steel
- 8 Ft. 9581 055 Reg 4.39 — **3.49**
- 12 Ft. 9580 055 Reg. 6.99 — **7.49**

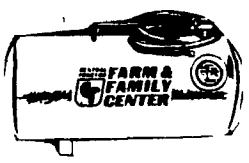
**HEAVY DUTY CABLES**
Tangle free copper cables - 12' cable is 8 ga., 16' is 4 ga. Clamps are 400 amp vinyl coated steel
- 12 Ft. HD 9810 056 Reg 15.49 — **12.99**
- 16 Ft. HD 9598 055 Reg 22.99 — **19.99**
- 20 Ft. HD 9814 058 Reg. 25.99 — **21.99**



5 Horse Power
**849.99**
Reg. 899.99 / SAVE 50.00
13105 279
**16 Ton Log Splitter**
- 2-stage pump
- Low profile
- Detent return valve
- Road speed tubeless tires
- 1⅞" ball hitch coupler

**6.79**
10865 092
**Hydraulic Coupler**
- Complete coupler for ¾" Extra male tip
10868 092
**NOW 2.10**

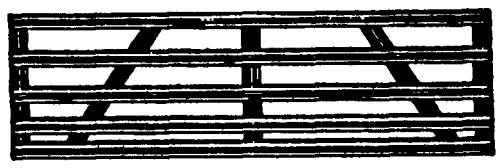
**119.99**
Reg. 139.99 / SAVE 20.00
40/200 Charger / 18834 084
**159.99** Reg. 184.99 Charger
**Industrial Battery Chargers**
- Ideal for use in garages, fleet operations, repair shops and for the do-it-yourselfer



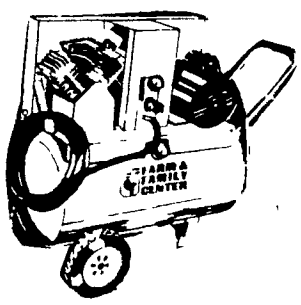

**29.99** 10 Gallon
17784 106
**Heavy Duty Air Tank**
- Complete with 6 foot hose, chuck, gauge and safety valve

HOMELITE
**149.99**
Mfg. Sug. List 169.95
27920 098
**Homelite® 14" Super 2**
- Automatic chain oiling
- Displacement 1.9 cu. in. 31.1 cc
- Exclusive Tri-Flow Cooling

**499.99**
Reg. 559.99 / SAVE 60.00
13319 279
**3 Point Log Splitter**
- Mounted vertical
- 4" x 24" cylinder
- Detent return valve
- Up to 2500 psi
- Fits Cat. 1 & 2 tractors
- Will split logs up to 26"



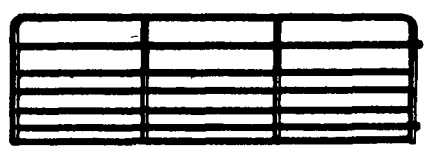
**5 Panel Steel Gates**
48" high gates with 22 gauge galvanized steel panels. Gates are 4" shorter than listed to compensate for hinges. Screw hooks and hinges included
- 10' Gate 17686 253 — **29.99**
- 14' Gate 17678 253 — **38.99**
- 12' Gate 17687 253 — **33.99**
- 16' Gate 17675 253 — **41.99**



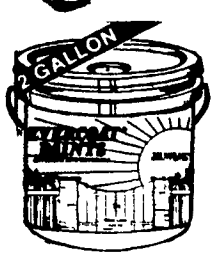

1 Horse Power
**299.99**
18326 106
**Twin Cylinder Air Compressor**
- 14 gallon tank
- 15' air hose w/ fire chuck included
15' Air Hose 17791 106 **NOW 7.99**
25' Air Hose 18400 106 **NOW 10.99**
50' Air Hose 18417 106 **NOW 21.99**

**Central Tractor "All Fleet" Diesel Engine Oils**
- **6.99** 2 Gallon — 30W S-3 / 271 series — Reg. 7.59 / SAVE 7%
- **16.99** 30W S-3 5 Gallon — Reg. 18.79 / SAVE 1.80
- **7.99** 2 Gallon — 15-40 / 271 series — Reg. 8.39 / SAVE 4%
- **18.99** 15-40 / 5 Gallon — Reg. 20.88 / SAVE 1.89

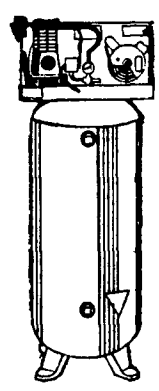
**Central Tractor High Detergent Motor Oils**
- **74¢** per qt — 20W & 30W only — Reg. 89¢ / SAVE 16%
- **77¢** 10W30 Quarts — Reg. 94¢ / SAVE 18%
- **79¢** 10W40 Quarts — Reg. 99¢ / SAVE 20%
- **14.59** 5 Gallons — 20W & 30W only — Reg. 17.59 / SAVE 3.00
- **14.99** 5 Ga. 10W30 — Reg. 18.59 SAVE 3.60
- **15.59** 5 Ga. 10W40 — Reg. 19.59 / SAVE 4.00



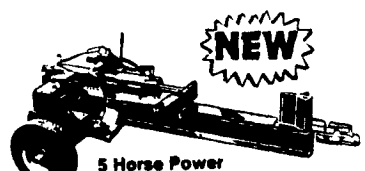
**7 BAR TUBE GATE**
¾" 7 Bar Round Tube Gate
- 4' Gate 17963 253 — **32.99**
- 8' Gate 17971 253 — **36.99**
- 10' Gate 17724 253 — **39.99**
- 12' Gate 17931 253 — **43.99**
- 14' Gate 17949 253 — **48.99**
- 16' Gate 17956 253 — **51.99**



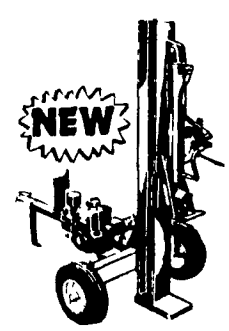

**9.99** 2 Gallon
Reg. 12.99 SAVE 3.00
95332 060
**Evercoat® White Latex Multi-Purpose Paint**
- Interior & Exterior
*Brand may vary locally*



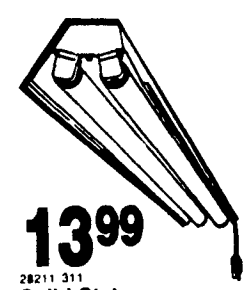
**2.29** Aerosol
**3.99** Quart
**10.99** Gallon
060 Series
**Implement & Tractor Enamel**
Choose from: AC Orange, IHC Red, JD Yellow, Oliver Green, MF Flint Gray, Case & JD Green, Ford Lgt. Grey, Case Red, Ford & MH Red, Gloss Black, Ford Blue, Primer and Caterpiller Yellow




5 Horse Power
**769.99**
Reg. 819.99 / SAVE 50.00
13326 279
**16 Ton Log Splitter**
- 2 stage hi-low pump
- Detent return valve
- 4" x 24" cylinder
- Briggs & Stratton engine
- Splits up to 26" logs




5 Horse Power
**869.99**
Reg. 919.99 / SAVE 50.00
13333 279
**16 Ton Vertical/Horizontal Log Splitter**
- Briggs & Stratton engine
- 2 stage hi-low pump
- Detent return valve
- 4" diameter x 24" stroke cylinder
- Splits up to 26" logs



**13.99**
28211 311
**Solid State Shop Light**
- Prewired, ready to hang, no special tools required
- UL Listed
- Includes 2 fluorescent tubes



5 Horse Power
**599.99**
18397 106
**Single Stage Air Compressor**
- Cast iron sleeve, twin cylinder, 1 stage pump, 5 Hp, 230 V single phase electric motor
- 18 cfm displacement, 12.7 cfm at 40 psi and 10.6 cfm at 90 psi
- 60 gallon tank
**5 Horse Power Two Stage Air Compressor** 18736 106
Reg. 1069.99 **SALE 999.99**

**229.99**
Mfg. Sug. List $299.95
27922 098
**Homelite Super EZ®**
- 2.5 cu. in. engine with compression release
- 16" Power Tip® bar
- Auto & manual chain oiling

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All items are subject to stock on hand. We reserve the right to limit quantities. Sale ends on above date. Not Responsible For Printing Errors.

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**THRU SUN., AUG. 31st**
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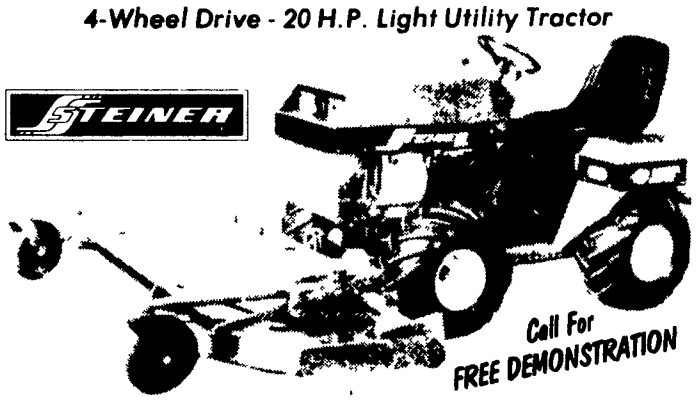
# The New Action Look

4-Wheel Drive - 20 H.P. Light Utility Tractor

by STEINER

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- Center Pivot Frame with Power Steering
- Front Mounted Accessories for Greater Control & Visibility

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- 48" & 60" Mower Deck
- 48" Snowblower
- 48" Tiller
- 3-Point Lift
- 48" & 60" Dozer Blade
- Lawn Vacuum
- Rotary Broom
- Utility Trailer

*Commercial Quality Machine*

**WES STAUFFER ENGINES & EQUIP.**
RD 3, Ephrata, PA 17522
**(717) 738-4215**
Ephrata Exit New Rt. 222, ½ Mile West
On Rt. 322, Turn left onto Pleasant Valley Rd.


## 1 FARM EQUIPMENT

16' 2-Wheel Trailer, 16" tires, $350. 20' Single Tobacco ladder, $25 717-626-6059

16" Papec & Silage Cutter w/shredder bars, good condition 404 NH Hay Crusher, good condition. Elam P Kauffman, RD2, Box 125, Honey Brook, PA. 19344 Beaver Dam Rd.

1968 Loadstar 1600, 4,000 mis. on new engine, very good mechanical condition, has 14' wooden bed w/new floor. Asking $2,100. 717-866-7066.

1973 Int. 1700 Loadstar, 19' flatbed, 345 V8 engine, 2 spd. axle, 5 spd. trans., power steering, new paint, excellent condition. Excellent for Agricultural market truck or commercial business Call 609-769-3183

BALER: JD 24T string, w/#30 thrower, $1,000; NH 33 crop chopper, $800. 215-696-1387.

Backhoe IH 260-A, very good cond., $8,000. 301-833-9091.

Badger 2300 gallon liquid manure spreader, excellent shape, $3,975. Pine Bush, NY. 914-744-2821

Braco potato harvester, field ready, 12,000, 20 lb potato bags, white printed, 10 cents each 215-395-1213

Case Backhoe 680 w/cab, real nice 814-793-4293

Case W7, 4WD, 1 yard loader, $3,000 301-833-9091

Catepiller 955K crawler loader, $16,500 717-469-0691 daily, 717-838-1888 eves

Cattle body, 17' oak, exc cond, must see. $450 301-833-9091

Farmers & Dealers -- Your advertising pays for itself when you advertise your equipment in the farm equipment section 717-394-3047 or 717-626-1164

1976, 6600 diesel, air, big tires, very good condition, kept in, field ready, $12,450 Stephen & Sam Stalter, "The Combine Boys" 219-862-2151

1980, 2840 JD diesel with industrial front end loader, 3,000 hrs, excellent condition 717-626-7000

354 Int. tractor, power steering, live PTO, w/ loader, good condition; 605 Vermeer round baler 301-478-2712

CRAWLER TRACTOR PARTS
CURRENTLY DISMANTLING
AC, Cat, IHC, JD, Case, Michigan, Hough, Galion & others. Loaders, dozers, graders, excavators, rollers. Many parts removed & checked, ship anywhere.
NEW ARRIVALS FOR PARTS
Cat 933 42A w/excellent track & engine; Cat 933 11A w/good engine; Case 580B; Case 450, AC HD-16DP; Michigan 75A series one; Michigan 75A series three
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PO Box 337
Hatfield, PA 19440
Yard Location:
Quakertown, PA
215-855-9207
Day or Night

Crawler Loaders: Cat 955-K w/Fleco canapy, teeth on bucket, good condition, $15,500 Case 1150-B, ROPS canapy, teeth on bucket, good condition, $15,500 215-343-2444.

Crawler Loader, Case 450, exc cond, 80%, $8,000 301-833-9091

Crawler loader, JD 1010-D, 80%, needs engine block, $1800 301-833-9091.

Deere 3300, 10' head & corn head, $7,500 Larry Stalter, "The Combine Man", 219-862-2151

Deere 4400, dsl, air, rotating screen, excellent, in the dry. $11,800 Stephen & Sam Stalter, "The Combine Boys" 219-862-2151.

Deere 4400 gas, around 1,015 hrs., $8,500; Deere 4400, gas, around 1,450 hrs., $7,500. Both emaculat, clean. Larry Stalter, "The Combine Man", 219-862-2151.

Deere 5400 self propelled chopper, about 1100 hrs., top shape, $19,800. Larry Stalter, "The Combine Man" 219-862-2151

Deere 7720, $35,000., 6620, $17,950, 1978 7700, $14,800, F Gleaner, $5,500, G diesel, $5,950, Int 915, $8,900, 915, $7,450, 715, $8,400, MF 540 diesel, $11,800 Also headers Larry Stalter "The Combine Man" 219-862-2151

Electric hay fan on wheels, $100 301-371 6981

Combines from "The Combine Man" 8820, $40,000, 7720, $30,000, 6620, $24,500, 7700, $16,000, 6600, $12,500, 4420, $20,000; 4400, $11,800, 3300, $8,950, Int 1480, $32,000, 1460 $28,500, 1440, $26,500 1420, $22,500, 915, $10,500, 815, $9,000, 715, $7,500, 615, $5,950, Gleaner N-5, $22,500, L-2, $18,500; M-2, $17,500, L, $10,000, Massey Late 750, $20,000, 510 gas, $5,500; 410, $5,000, White 8700, $12,500, NH TR-70, $17,500 and more Corn and grain heads available. Larry Stalter, 219-862-2151.

530 Case Construction King w/loader & cab, gas engine, good condition, $3,200. 717-534-1253

6600 Sidehill, hydro, in excellent condition, located in PA. $21,000. Larry Stalter, "The Combine Man". 219-862-2151

#6 NH silage wagon w/ roof, $850; 9' JD harrow, $85; Case grain drill, $50; Simplicity 6111, 11 HP riding mower, 42" cut, very nice, $850; 2 pig feeders, 12-16 hole, $75/both. Lanc. Co 215-445-6345.

750 Case crawler loader, 4 in 1 bucket, ROPS, good tracks, $8,500.; JD 300 backhoe & loader, gas, $6,000., 8'x16' steel flatbed w/hoist & pump, $1,500, Super A Farmall, block has been welded, w/plow, cultivators & corn planter, $1,300. York Co 717-244-8702

750 MF, both heads, excellent, $9,950 Larry Stalter, "The Combine Man", 219-862-2151

7 tooth Dunham chisel plow, $825., JD 216 3 beater forage box, roof, 10 ton gear, $1,800; 12' Brillion cultipacker, $325 717-532-6367

8N Ford, rebuilt engine, hydraulic front blade, good shape, $2,000 215-562-8932

955L Cat loader, 4 in 1 bucket, ROPS, fair U.C, needs final drive, $15,500, 50KW Cat generator, very good condition, $4,800. Ron Coover, Shippensburg, Pa. 717-532-6540

AC 185 tractor, excellent Porterway tomato harvester. Field ready. Talbot, Co., MD. 301-822-1378

AC 6-bottom on land hitch plow, good condition, $750. 215-343-2444.

AC A combine, 2R corn head & grain head w/ hume reel, good condition. $5,500 Berks County 215-326-4061

AC G tractor, 62 cu in 4 mower w/cultivator, 16" plow $3,000, barn cleaner, complete, $2,000 Must Sell 717-864-3958

AC silage blower w/10 table, excellent shape, $100 Juniata Co 717-436-8150

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FEED TRUCK 1978 Ford truck w/Allison automatic trans and 2SP auxilary trans. 3208 Cat engine, 3840 - Aswalt feed box w/scales Virginia Beef Corp., weekdays 703 777-5150 or nights & weekends 703-777-5679.

FOR SALE #10 Hesston stackhand 495 NH haybine. Will trade. 717-568-4752.

FOR SALE: 18' IH wing disk. 717-993-3405.

FOR SALE: 3RN corn head for NI Uni system. 304-263-9801.

FOR SALE: 300 husker w/343 NR head and 1710 mulch tiller w/Western harrow 301-775-2269.

FOR SALE: 477 NH haybine, good condition. $1,950. 717-534-1253

FOR SALE. 530 IH manure spreader, 185 bu.; 5 compartment feed body, would make good liquid manure tank. Lebanon Co 717-272-5089.

FOR SALE-AS 600 Super B grain dryer - 3 phase, Ideal Metal bin, approx. 250 bushel capacity 717-286-6411 or 717-286-0215

FOR SALE American automatic grain dryer, 75 bushel, very good condition 717-993-3405

FOR SALE. FARMALL 200 TRACTOR, in good condition with a 12 volt system Includes quick hitch for 2 bottom plow, disk, harrow, cultivator, 2R corn planter and sickle bar mower. Also a 3 pt. hitch adapter. Asking $2,500 or best offer. Contact Earl at Standford Seed, 215-267-3805

FOR SALE: Fox 3R corn head, low profile, $600; NI corn picker, 2R, $2,400; JD 4020, WFE, w/turbo, $5,200. 717-733-0575

FOR SALE: Hesston Field Queen SP side dump forage harvester, excellent condition, $19,500. 703-721-2150 days or 703-721-2643 nights

FOR SALE: Hesston 3 ton 30 Stackhand hay stacker. Best Offer. 717-252-1525.

FOR SALE: IHC 420 plows, 3 pt. 3-16", excellent. Juniata Co. 717-463-2842

FOR SALE: JD 5460 4WD, also 2 old style JD 643 corn heads 717-632-4913

FOR SALE NH Model 345 tank spreader 717-292-2564

FOR SALE. NH 3RN corn head for 890 harvester, good condition, $550 717-733-8528.

Ford 7600, dual power, dual hydraulics, load monitor, 94HP, very nice Lanc Co 215-445-5734.

Ford plow #142, 4 16" automatic reset, excellent condition. $2,200 717-799-5218

Ford Skid Loader, CL40, very nice condition 814-793-4293

For Sale (1) IH silage wagon, model 110, 16' long. Also (1) JD manure spreader, model 54 Call 215-827-7687

For Sale: 10 hp 3-phase motor w/Squirrel cage fan unit for aeration, exc. cond, $550. Also, unit to change to single phase Neil Moyer, 717-966-2366

For Sale: 2 Daffin portable mills. Could also Buy Route. 717-665-3677

For Sale: IH 315 Combine w/2 heads, 700 JD Grinder Mixer, MF 63 Corn Head. Call after 4 p m 301-941-1113

For Sale on truck scales, like new, 10x30 concrete deck. 717 768-3681. Monday thru Friday, 7 a m. to 5 p m.

NI Uni System, 708 dsl., corn head grain head, combine very good, $20,500 Larry Stalter, "The Combine Man", 219-862-2151

Nickelson Hay Tedder, High clearance Farmall A tractor w/cultivator; C-40 Gehl silo filler, like new. 717-687-7968.

Small Int. power unit w/reduction gear and clutch, $225. Massey Harris pony w/cultivators, no hydraulics. $800 717-534-1253

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TR85 NH Combine w/16' grain & corn heads, excellent condition, like new, $39,500. 301-371-6981

Uni System For Sale 702 diesel power unit with cab, 760 forage harvester with 3RN corn head and pickup head, 710 combine with 13' grain head, good condition, kept under roof 717-726-6087 after 7 p m

Oliver 1755 diesel, very nice, $7,500, IH 1206 with cab, very nice, $6,650; JD 1207 haybine, very good, $2,250; NH super 78 baler, $850; NH 270 baler, very good, $1,450, new 14' flat wagon and 8 ton gear, $900 717-469-2138

Oliver 88 Tractor, on steel wheels, good running order. Henry B King, Christiana, RD1, Georgetown Rd.

Oliver manure spreader, $900 or best offer Call 717-569-6888

Wetmore silo grinder-blower for high moisture grain, $1,100 717-548-2760

White Oliver 1955, 2100 hours, must see, $5600 301-833-9091.

SC Case tractor Also horse drawn equipment. 717-435-0145

Rhino 890 soil saver, 7 tooth, NI 325-N corn picker w/12 roll husking bed, JD VanBrunt 13 disk grain drill. 215-384-4370.

Round Baler, Hawkbilt, as new, $1200 301-833-9091

SAVE 50% PTO Alternators 20KW, $1,550, 40KW, $2,195.; Engine driven alternators 4KW, $595., 5KW, $695.; Pressure Washers 800 PSI, $399.; 1200 PSI, $895. Call 1-800-231-8277. Dunham Co.

MF 180-G, WFE, $4,000. 301-833-9091.

MF 290, new w/warranty, $10,900. 301-833-9091.

MF 33 grain drill w/ Timothy seed box on, like new condition, $900. 717-423-6722.

MF 760 Dsl., V8 hydro. Combine. AC cab w/ heater, 30.5Lx32 tires, 16' table w/pickup reel & auto header heights control, Chopper & bin extension, v.g. condition, ready for small grain, 301-272-3638 day, 272-2620 night

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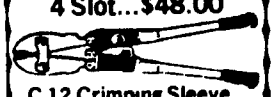

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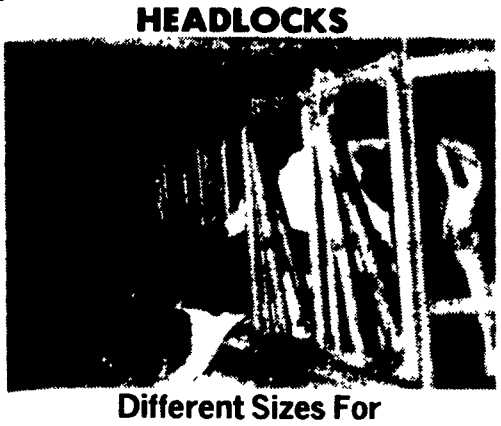

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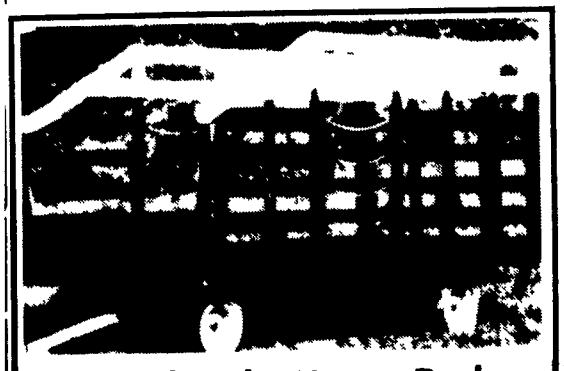

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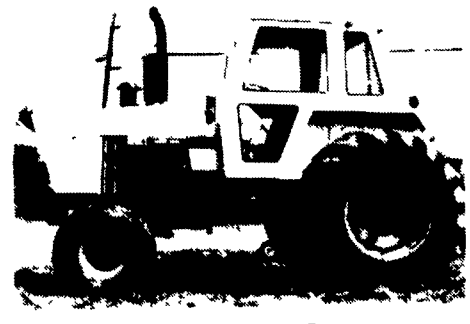

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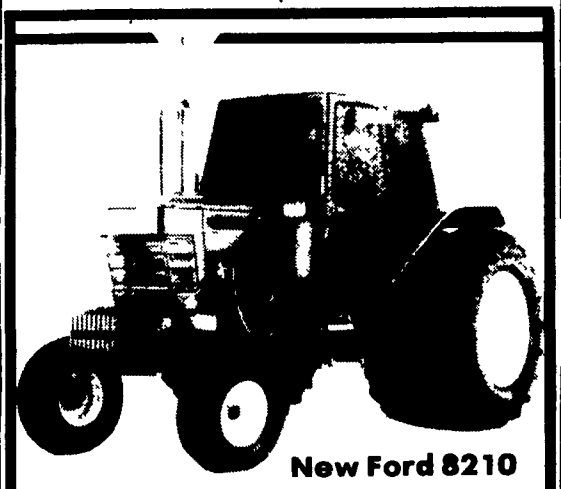

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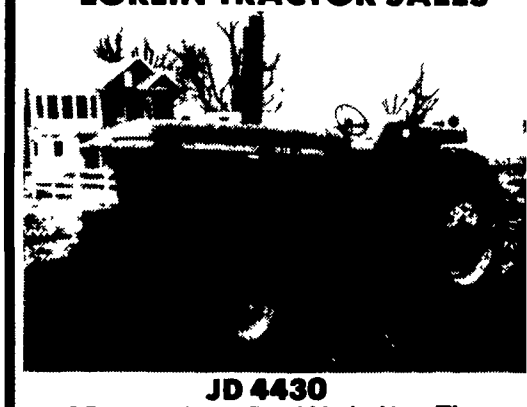
**LORLIN TRACTOR SALES**



**JD 4430**
QR, 2800 Hrs., Dual Hyd., New Tires
$8,500

**OTHER TRACTORS**

| | |
|---|---|
| JD 1020, Diesel, Utility. | $3,900 |
| IH 574 Diesel, Original | $5,200 |
| JD 4020, WFE, Powershift | $5,900 |
| JD 3020, WFE, Diesel, Solid | $5,500 |
| JD 4020, WFE, Side Console | $6,900 |
| IH 1066, WFE, Dual Hyd. | $6,500 |
| JD 4320, WFE, Side Console | $7,500 |
| IH 1486, 81 Model, Nice | $9,500 |
| IH 1086, Cab, Sharp. | $9,800 |
| JD 4430, Cab, QR, Wts. | $10,500 |

717-532-8926
Can Finance — No Sunday Calls

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JOHN DEERE — bobcat

**BACKHOE LOADERS**
JD 310A, 1979, Tag 1936 . . . . . $19,000

**CRAWLER DOZERS**
JD 350B, Canopy, 6 Way Blade, New Undercarriage, Tag 5039 . $15,500
JD 450, 6 Way Blade, No Rops, Tag 5108 . . . . . $14,000

**SKID STEER LOADERS**
Bobcat 310, Gas, Tag 5099 . . . . . $2,500
Bobcat 500 Propane Powered, 54" Dirt Bucket w/Teeth, Tag 5102 . . . . . $2,500
Bobcat 610 60" Bucket, Floats, No Rops, Tag 5114 . . . . . $4,000
Bobcat 943 w/78" Bucket 219 Hrs., Tag 7179 . . . . . $27,500
Bobcat 975 w/84" Bucket 122 Hrs , Tag 7256 . . . . . $33,000

**WHEEL LOADERS**
JD 544B, 544C, Ford A64 . . Call For Prices

*Call JIM NIXON for Prices, Information*
**LCL Construction Equipment**
2590 Unionville Pike
Hatfield, PA 19440
(215) 362-2510 (215) 242-5757

185 AC Tractor, Excellent Condition.
Best Offer
**717-768-3959**

**NH 54A THROWER**
Perfect, install & run, $700
**301-745-9408**
after 8 p m.

IH 1086, 2,700 hours, cab and air; MF 750 combine, air conditioning, gear drive, 2,550 hours, 14' float, 63C corn. I have owned these units from new. Both very clean. Left my rented land go.
**717-464-3688**

IH 175A Crawler Loader, runs good. $7,500
Ask For Dennis
**717-328-2881**

NH Baler, good condition, $450; MF 3-14 roll over plow, very good condition, $650, JD 2R planter, good condition, $550; 18' wagon, 8 ton running gear, like new, $1,400 215-488-7060

Vermeer 605F round baler, excellent condition, $5,500. 301-334-1173

Vermeer Round Balers: New & Used, Many Sizes. NH Haybines; Vermeer 9' discbines; AC D19 Tractor, wide front end. Westmoreland Co 412-423-4076

We specialize in flat belting, cut to order, baler throwers, self unloading wagons, Long table blower belts. Franklin Co 717-328-3591. If no answer 717-328-5603

## G & D Repair

**Quality Is Our Game - Service Is Our Aim**

**TRACTORS**
JD 2510 Gas JD 4020
JD 4640 Sharp

**TILLAGE EQUIPMENT**
New 18 Ft. Field Cultivator
New 12 Ft. Disk
New 18 Ft. Wing Disk
New Coulter Type Chisel Plow, 7 Tooth
New Tillage Saver
Used 12 Ft. Cultimulcher

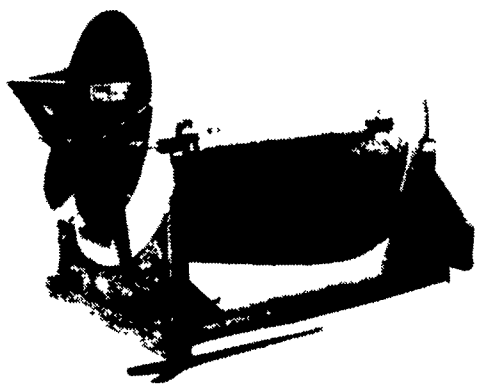
**HAY EQUIPMENT**
8,10 & 12 Ton Zimmerman Running Gears
Zimmerman Hay Tedders
New Bale Wagons
New Self Unloading Wagons
(Rugged Construction - Reasonably Priced)

**MISCELLANEOUS**
8 Ft. 3 Pt. Blade
6 Ft. 3 Pt. Blade
2 Sets 18.4x38 Duals, 9 Bolt Hubs To Fit JD 4430

We Are A Factory Authorized Kawanee Farm Equipment Dealer

RD 5 Penryn Rd., Manheim, Pa.
**717/664-2207**
Specializing in John Deere but will also Rebuild Other Makes
Reasonable Rates All Work Guaranteed

We Have Won The Competition Over With Our **Design**



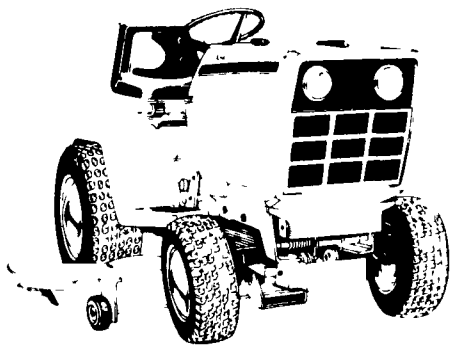
Now Let Us Win You Over With Our Price

**TMR Mixers By**
FARMASTER

**ZIMMERMAN'S FARM SERVICE** Bethel, Pa. 717-933-4114

# Four easy choices for one tough tractor.

America's best choices in garden tractors come from Cub Cadet. Only Cub Cadet gives you so many choices for: high horsepower hydrostatic garden tractor. Air cooled or liquid cooled engine hydrostatic or manual lift. Choose the one that fits your needs.



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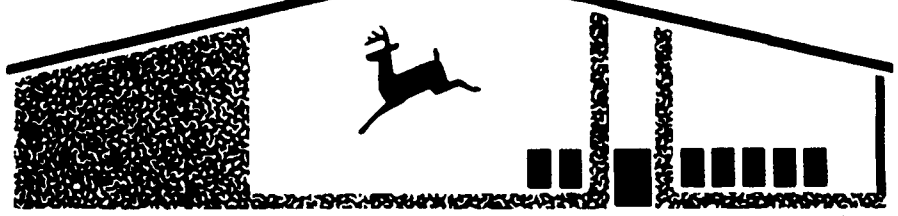
PHONE (717) 949-6817
Mon Wed Sat 8 to 4 Tues Thurs Fri 8 to 8

'Wide Front For Farmalls 460 thru 1456 w/hubs
'Fast Hitch For Farmalls C thru 230, also misc parts for same
Radiator for 806 and or 856 Farmalls
Head for IH, C-221, C-263, C-282, C-291 and C-301, Parts #383-665-R94, will fit Farmalls 460 thru 856, gas engines Also misc. engine & trans & body parts for 806
IH 255x455 4 row cultivators
345 IH truck engine, recently overhauled
Call
**717-872-9152**
Daytime
**717-872-2579**
Evenings & Weekends



# Plugston Implement Inc.

## Chambersburg, PA 17201

**USED JOHN DEERE**
JD 4440 SG, PS
JD 4240, PS, 4 Post, Returned off of Lease
JD 4230 SG QR
JD 2640
JD 2940 w/MFWD & 260 Loader
JD 3020 Low Profile
JD 3010 Tractor
JD 300 Husker w/2 Heads
JD 6RN 7000 Planter w/Fill Auger & No-till
JD 6RN 7000 Planter w/Liq. Fert & No-till
JD 2RN & 2 RW C.H.
JD 14T Baler
JD 336 Baler
JD 210 11'5" Disk w/Cushion
JD Transport Disc
JD KBA Disk
JD 216 Fg Wagon
JD 714 Fg Wagon
JD 66 Blower

**USED NEW HOLLAND**
NH Super 68 Baler w/Thrower
NH 273 Baler w/Thrower
NH 2R Snapper Head for Fg Harv
NH 26 Blower
NH 329 & 518 Spreaders
NH 1002 Automatic Bale Wagon

*JD Lawn & Garden Eq. & Good Selection Of Used Lawn & Garden Tractors*

**USED TRACTORS**
Case 1490 w/loader, low hrs.
MF 175
MF 135

**OTHER USED ITEMS**
Case 1845 Dsl. Skid Loader
Gehl 1600 Round Baler
Ford 4B Reset Plow
Ford 3B Trip Back Plow
NI 208, 213 & 214 Manure Spreaders
White 5400 6RN w/no-till
IH 800 Cyclo 4R No-till Planter
IH 440 Baler w/Thrower
Fox 6½' PU Head
NH 450 7' Mower
Dion Fg. Blower
Dion Forage Wagon
NI 4R Double Frame No-till Corn Planter
Field Sprayers: 500 gal Century, 200 gal, 150 gal

**NEW JOHN DEERE EQUIP.**
Tractors:
4250 MFWD, SG, PS
4250 SG, PS
4050 SG, PS
4050 RG, QR
3150 MFWD, SG
2550 MFWD
2350 MFWD
Combine: 4425 w/Heads
Balers: 327, 337, 347, 330, 430
Forage Harvesters:
5730 w/Iron Guard
3950 w/Iron Guard
3950
Corn Planter: 7000 Conservation, 6RN
Spreader: 780
Forage Wagon: 716A

**NEW NEW HOLLAND EQUIP.**
Balers: 311, 326, 853
Blowers: 28
Haybines: 411, 489, 499
Forage Harvester: 790
Spreaders: 302, 307, 520, 680 680
Skid Loader: 455

**NEW BOBCAT LOADERS**
Farm Boy 642B, 743, 843

1-81 Exit 8
3213 Black Gap Road
Chambersburg, PA 17201
717-263-4103
717-532-6951
bobcat

| | |
|---|---|
| JD 4840, Cab, Duals, PS | $23,000 |
| JD 4640, Cab, Duals, QR | $21,000 |
| JD 4440, Cab, Duals, QR | $18,500 |
| JD 4440, Cab, 4 WD, QR | $19,000 |
| JD 4240, 4 WD, Cab, QR, Nice | $18,500 |
| JD 4240, Cab & Air, 1,079 Hrs. | $19,000 |
| JD 4430, Cab, Duals, 2150 Hrs | $13,000 |
| JD 4240 w/Cab, 4WDr, QR | $16,800 |
| JD 2350, Hi/Low, New | $13,800 |
| JD 4230, Cab, 4WD | $10,800 |
| JD 4230 Fender Tractor, QR | $8,000 |
| JD 4230, 4 Post, QR | $8,200 |
| JD 4520 SR, 2900 Hrs. | $7,200 |
| JD 2130 Hi/Low, Live PTO | $6,000 |
| JD 3020 Dsl., WF, SR | $4,500 |
| JD 4020 Dsl, PS, NF | $4,800 |
| JD 110 w/new Mower | $1,000 |
| JD 2500, 5x18 Reset Plow | $1,000 |
| JD Weights | Half Price |
| JD Wide Frnt. End w/Trade | $1,000 |
| Zimmerman Elevators & Wagon Gears | |
| Farmco Metal Feeders & Bale Bodies | |
| Steel Gates & Farmer Boy Bins | |
| Universal JD Pilot Fork | $350 |

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**Sweigard Brothers**
RD #3
Halifax, PA 17032
**717-896-3414**

**FORD TRACTORS**
New CL25 Skid Steer Loader w/Dsl. Engine
New TW 20 w/Cab, 4WD, Air
New 7710 w/Cab, Air
New 4610 SU
New 5610 w/Dual Power
New 2810, 3910
New 2110 & 1910, 4WD
New 1310, 1510, 1710
New 1210 4WD Hdro. Drive, Mid PTO

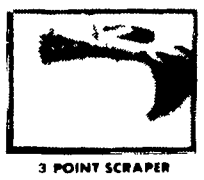
**NEW HOLLAND**
New L555 D Skid Loader
New NH 353 Grinder Mixer
New 34 & 38 Crop Choppers
New #8 Forage Box w/3rd Beater & Roof
Used 36 Crop Chopper
Used 270 Baler w/Thrower
Used 273 Baler

**NEW IDEA**
New NI 406 Rake
Used NI 311 Gathering Unit w/314 Sheller Unit

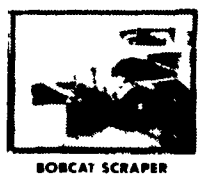
**OTHER EQUIPMENT**
New Ford 133 High Clearance Chisel Plow
New Ford 208, 12½' Field Cultivator
Used Satoh Beaver Tractor w/4WD w/Front Blade
Used Farmall 350 Utility
Used Farmall BN w/Cultivators
Used IH 430 Baler w/Thrower
Used JD 24T Baler w/Kicker
New Glencoe 12'9" Finishing Harrow
New Glencoe Soil Saver Stretch 7 Shank
New Glencoe Soil Saver 5 Shank
New Amco Heavy Duty 12' Disc Harrow
Used Windrow PU & 2R Corn Head to fit IH 550 Harvester
Amerind-McKissick Log Splitter w/engine, like new

**MANURE ROUND-UP**
RUBBER SCRAPER

- TIME AND ENERGY SAVINGS UP TO 60% TIME SAVING
- SAVES ON CONCRETE WEAR
- OUTLASTS BUCKET WEAR
- MADE FROM HEAVY INDUSTRIAL EARTH MOVER TIRES
- ACID RESISTING PAINT
- WIDTHS FROM 6 TO 8 FEET
- THREE DIFFERENT HOOK UPS BUCKET THREE POINT BOBCAT



3 POINT SCRAPER



BOBCAT SCRAPER

SALES INQUIRIES:
**ROBERT H. ROHRER & SONS**
RD 1 Box 34
Washington Boro, PA 17582
**717-285-3711**

# THE COMMITMENT CONTINUES

**In these days of less than ideal circumstances in the Ag Industry, we are committed to working harder than ever to help make your operation a success.**

- We Improved Our PARTS STOCK And DELIVERY PROGRAMS.
- Our Service Technicians Are Providing FAST, EFFICIENT SERVICE.
- We Continue To Offer The LOWEST POSSIBLE PRICES On Equipment And Replacement Parts.

**Before You Buy, *GIVE US A TRY!***
**And Thanks For Your Past, Current And Future Patronage!**

Sincerely,
**The Staff At Binkley & Hurst Bros., Inc.**

# AG PROGRESS SPECIALS

**Visit Our Salesmen At Our Display On West 2nd Street**
**Ask For • DON HOOVER • RICK PFAUTZ • MERVIN NISSLEY And SAVE!**

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**200 SERIES TRACTORS** - 18 HP to 24 HP w/Compatable Attachments Such As Rototillers by Kuhn; Stone Rakes by IMC; Rear Mount Mowers by IMC; 3 Pt. Disk Harrows by Rhino; 3 Pt. Blades by Rhino; Loaders by Ag Tech; Plus Much More!

RHINO

**TILLAGE EQUIPMENT** - Including Chisel Plows, Double Offset Disk Harrows, Soil Saving Coulter Chisels, 3 Pt. Rotary Mowers, 3 Pt. Blades, 3 Pt. Disk Harrows.

Eager Beaver

**GENERAL EAGER BEAVER TAG-A-LONG TRAILERS** - 9 Ton, 50 Ton At Special Prices

SOUTHEAST BIG OX

**SOUTHEAST** Line Of Tag-A-Long Economy Trailers

HUSKY

**HUSKY FARM EQUIPMENT** - Spreaders, Pumps, Truck-Mounted Units

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# BIG FACTORY INCENTIVES CONTINUE On NEW case IH PRODUCTS

TAKE ADVANTAGE NOW

**While CASE IH And BINKLEY & HURST BROS., INC. Team Up To Help You Save Money With Prices And Terms To Fit Your Needs.**
**Some Tractors Qualify For Additional Company Incentives.**

## CALL TODAY AND MAKE YOUR DEAL!

**SEE THESE AND MORE (Binkley & Hurst Bros. Supplied Machines) IN ACTION AT AG PROGRESS DEMO SITES**

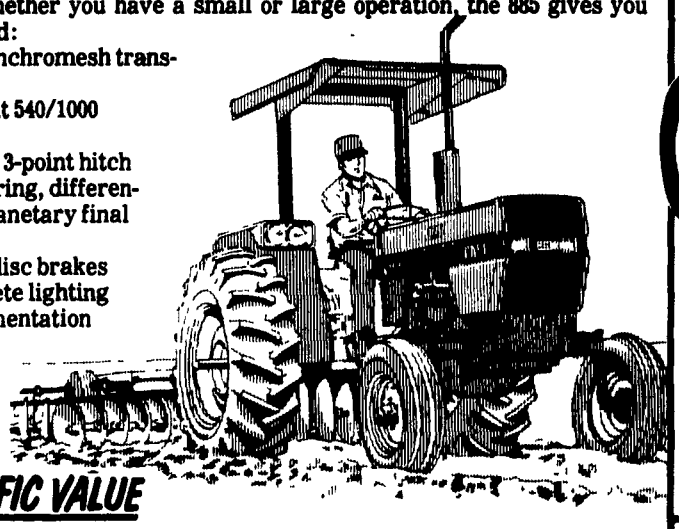
*Mid-Size Power With Big-Size Performance*

## CASE INTERNATIONAL 885 TRACTOR

A Case International 885 tractor is a good choice for two reasons: It's the perfect No. 1 tractor on smaller operations, and ideal back-up power on larger acreages.

With 72 PTO hp*, the 885 more than pulls its weight. You'll like the exceptionally quick response and high torque rise of its clean-burning diesel engine. That extra torque translates into greater tire bite and more workpower. So whether you have a small or large operation, the 885 gives you what you need:

- 16-speed synchromesh transmission
- Independent 540/1000 RPM PTO
- Category II 3-point hitch
- Power steering, differential lock, planetary final drives
- Hydraulic disc brakes plus complete lighting and instrumentation



***A TERRIFIC VALUE***

- 18.4x30 Tires
- 18.6 GPM Pump
- Twin Remotes
- Roof Optional

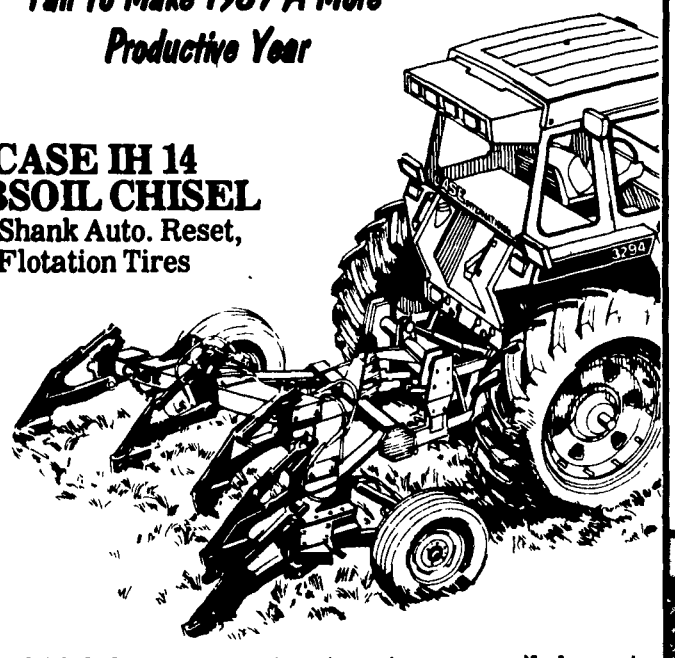
Add This Unit To Your Equipment Lineup Now And Take Your Choice Of Payment Methods:

**CASH....$17,450 or $5,700 Down - With No Payments Till July 1, 1987**

*Shatter That Hardpan This Fall To Make 1987 A More Productive Year*

## CASE IH 14 SUBSOIL CHISEL

w/5 Shank Auto. Reset, Flotation Tires



**$5,250 CASH**

Works behind high horsepower tractors to open soil down to 20" for deep-down penetration of water and air. Parabolic curve shanks lift soil vertically for a wide area of soil fracture. Shank design and V-shape frame combine to deliver easier penetration, reduced draft and less fuel consumption.

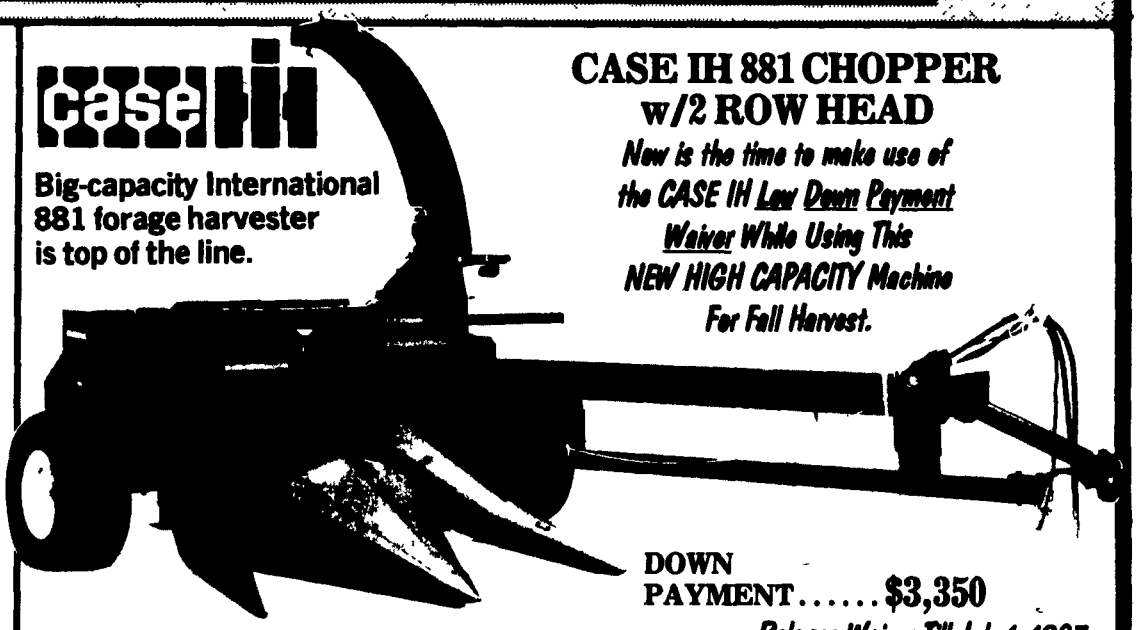
**Prices Are In Effect While Equipment Is Available And Are Subject To Fluctuations In Company Programs**

case IH

Big-capacity International 881 forage harvester is top of the line.

## CASE IH 881 CHOPPER w/2 ROW HEAD

*Now is the time to make use of the CASE IH Low Down Payment Waiver While Using This NEW HIGH CAPACITY Machine For Fall Harvest.*



DOWN PAYMENT.....$3,350

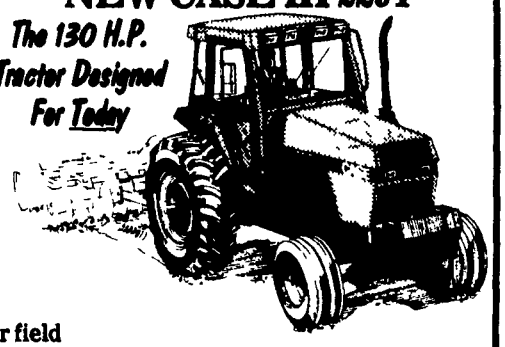
*Balance Waiver Till July 1, 1987*

Tackles Big Acreage Forage Crops, Or Takes On Custom Work With Profit-Making Performance And Capacity.

FEATURES: • Remote Elec. Controls • Four Big Feed Rolls • High Helix, 12 Knife Cutterhead Produces Fine Chop In 3/16" or 5/16"- Lengths.

## NEW CASE IH 2294

*The 130 H.P. Tractor Designed For Today*



Your field time is money. A new Case 2294 will make it pay- with new high-tech electronic instrumentation... a new radar option that monitors wheel-slip... new Case deluxe seating comfort... new control placement that makes every move easier...new halogen lighting... new 12-speed electrically actuated range power shift... mechanical front drive option... and many more features from Case, the Tractor Specialist.

**See It. Drive It. Our New Case 2294 w/Cab, Power Shift, 20.8x38 Tires.**

*Fully Equipped - Ready For Work!*

**FINANCE AT 5% FOR ONLY $10,250 DOWN OR LEASE/CASH PAYMENT $37,925**

## NEW case IH MODEL 3594 TRACTOR

*180+ Horses Pulling For You*

24 Speed, Power Shift, Loaded!!

**Finance At 5% Interest w/Minimal Down Payment $13,998**

**OR CASH/LEASE .....$51,900**

## CASE IH 450 PLOW

- 3 Furrow
- 16" Bottoms
- Automatic Reset
- 30" Vertical Clearance
- 17" Spring Coulters

*Put This Plow In The Ground NOW For Just* **$2,999 CASH**

(4 Furrow Pictured)

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# END-OF-SEASON VALUES ON VARIOUS CASE IH MACHINES

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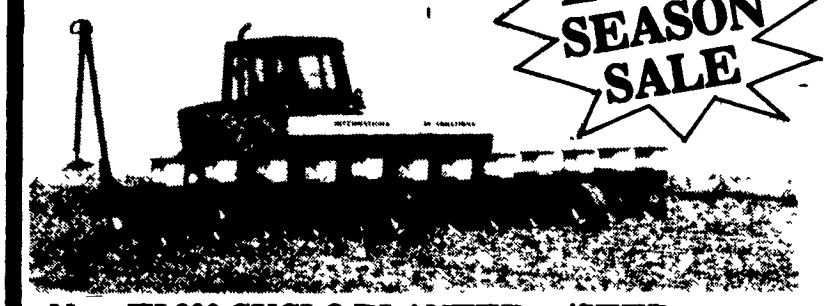
## 800 SERIES PLANTERS

*In Stock, Set-Up, Ready For The Field!*

Early Riser Planters

Faster, earlier planting... early rising crops.

END OF SEASON SALE



- **New IH 800 CYCLO PLANTER w/SEED FLOW MONITOR,** 6 Row 30", Soybean Drum & Corn Drum, Row Markers, Insecticide Boxes, 1000 RPM, Dry Fertilizer

Demo, Only 1 Left

~~$9,950~~ **$8,995** CASH

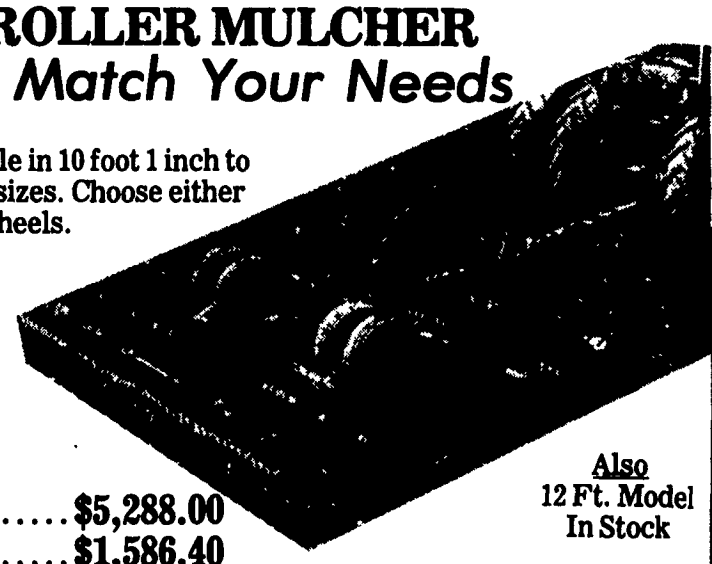
Trade Up Now!

## Ideal To Prepare For Alfalfa Seedbeds

## CASE IH 415 ROLLER MULCHER

*Versatility To Match Your Needs*

Non-fold models are available in 10 foot 1 inch to 15 foot 3 inch (3.08 to 4.65m) sizes. Choose either notched or crowfoot roller wheels.



**IN STOCK:** 10'11" Width w/Cylinder & Hoses For Lift

Set Up & Ready For Work!

Also 12 Ft. Model In Stock

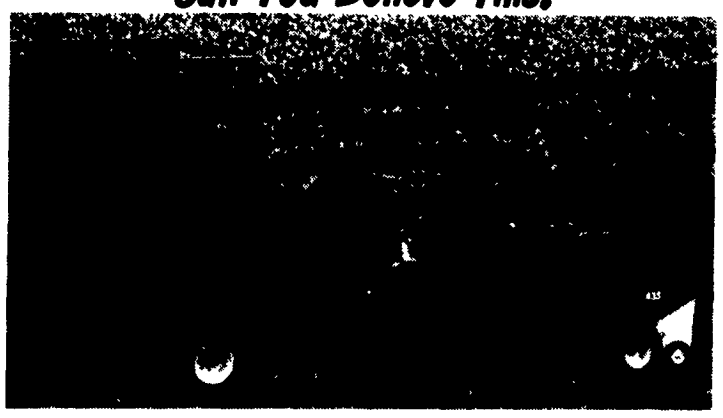
PURCHASE PRICE ..... $5,288.00
DOWN PAYMENT ..... $1,586.40

***No Payment Or Interest Till July 1, 1987***

**26 Payments w/1st On August 1, 1987 For Only $156.84**

**Also Have A New 12'2" In Stock Eligible For Same Program**

## *Can You Believe This!*



## CASE IH 435 TWINE BALER

17 tons (15.4 mt) per hour; 14 in. x 18 in. (356 mm x 457 mm); 12 in. to 48 in (305 mm x 1219 mm); up to 70 lbs. (32 kg); 65 in. (1.7 m); Chain drive from plunger crank, slip clutch protected. Floating auger and 3 packer fingers 270 sq. in. (1742 sq. cm) Enclosed, precision type spiral bevel gears w/tapered roller bearings. Straddle mounted 75 SPM; 3-point suspension w/6 sealed ball bearing rollers. Interchangeable, w/tungsten carbide cutting edges. Tie bow-type, double-diameter cushioned knot. N.A. Nodular iron. Heavy, center-mounted channel. Heavy-duty spindles and tapered roller bearings, Left: 9.5Lx14in Right 26x12.00x12 in. 3003 lbs. (1363 kg)

WHEN YOU BUY THIS NEW 435 BALER w/THROWER, YOU'LL MAKE NO MONTHLY PAYMENTS OR PAY NO INTEREST TILL AFTER JULY 1, 1987, THEN GET ADDITIONAL 26 MONTHLY PAYMENTS AT 8.8% INTEREST

***So Here It Is!***

SELLING PRICE ..... $8,998.00
DOWN PAYMENT ..... $2,699.40

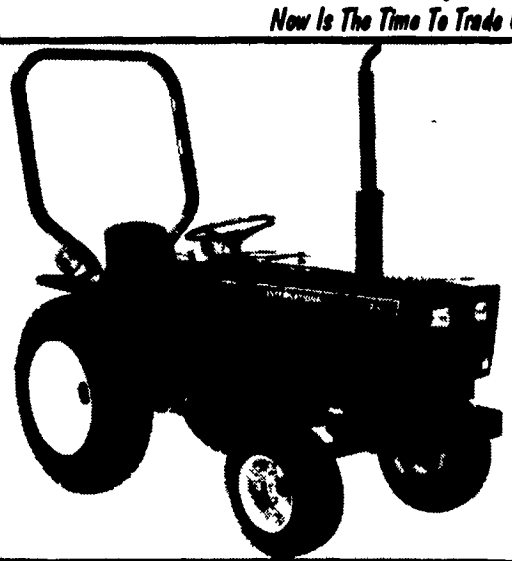
**Make 26 Monthly Payments Of Approximately**

ONLY **$276.66**

Case insurance may be purchased for only $178.16 for total life of contract

OR Get Additional Discount For Cash Or Lease Payment

***Now Is The Time To Trade Up!***



## CASE IH 18 HP TRACTOR MODEL 234 HYDRO

- All Wheel Drive
- 3 Pt. Hitch
- 540 PTO

***With Muscle Aplenty To Handle A Full Line Of Attachments***

**$5,395** CASH

## 5500 TRAILING CHISEL PLOW

There's an International 5500 trailing chisel plow for virtually any and every farming operation And they all have one thing in common — the strength to work extra-deep in toughest soil and to take all the punishment that can be dished out by a big tractor working at high speed. Twist-free main frames are made of husky box section steel beams Hitch members pull from both front and rear ranks

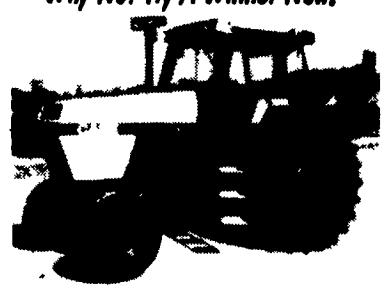
The 5500 chisel plow also features bonus underframe clearance plus large fore-and-aft rank spacing to work without plugging in the heaviest of stubble or trash And to break up clods, work out air pockets, level ridges and ruts, and incorporate chemicals, a soil mulcher attachment is available for all models and sizes

5500 **Non-fold trailing.** The heavy tubular rockshaft maintains constant full-width plowing depth acre after acre Hitch is long and narrow for sharp, easy turning Rear-mounted axles put wheels ahead of shanks for non-plug trash flow When the plow is raised, the wheels move rearward for better transport stability Axles flip over easily to move wheels five inches (127 mm) right or left to permit changing shank arrangement Wheels run on heavy-duty hubs with tapered roller bearings and triple-lip seals

***Pull This Unit To Your Field For $2,995 CASH***

## YOUR CHOICE OF TWO NEW CASE TRACTORS PROVEN NO. 1 IN RECENT NEBRASKA FUEL EFFICIENCY TESTS FOR 100 TO 120 HP CLASS

***Why Not Try A Winner Now!***

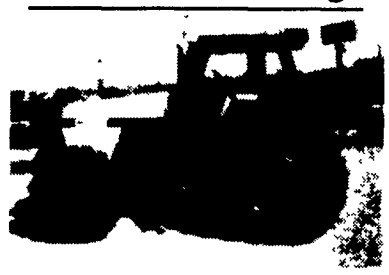


## CASE 2096 2 WHEEL DRIVE

Rated 115 H.P., 11.00x16 Front Tires & 20.8x38 Radial Rear Tires, Twin Hyd. Outlets, 540-1000 PTO, Telescopic 3 Pt. Hitch Arms, Weight Frame w/6 Weights, No. 9938072

**$27,800**

**w/8.8% Financing**



## CASE 2096 ALL WHEEL DRIVE

Rated 115 H.P., 14.9x28 Front Tires & 18.4x38 Radial Rear Tires, 540-1000 PTO, Telescopic 3 Pt. Hitch Arms, Special Radar Wheel Slip Monitor For True Ground Speed, Weight Frame w/12 Weights

ONLY **$32,950**

**w/8.8% Financing, So Trade-Up Now!**

***They Are Here...***

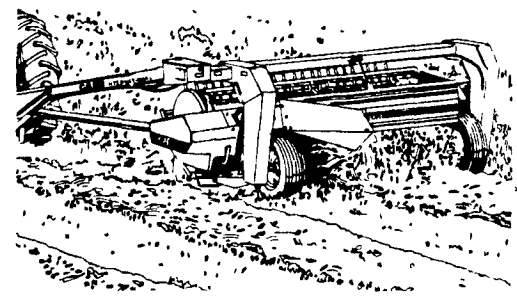
## IH MODEL 274

30 HP, One Row Offset Cultivating Tractor w/3 Pt. Hookup

**SALE**

**$7,425**

## FAST-CURE HAYMAKER!



### Case International 1190 Mower Conditioner

You'll preserve more nutrition when you cut fast crush and crimp hay the 1190 way Crop feeds straight in even on rough ground since rolls are mounted on the header not on the frame

- 9-ft size
- Over the top frame design for unrestricted hay flow
- Long-wearing full length conditioning rolls
- Clear slugs from your tractor seat

**$6,250** CASH

## 5% A.P.R. FINANCING FROM DATE OF PURCHASE

**ON ALL NEW TRACTORS COMBINES**

***Ask for details!***

Available to qualified purchasers. Purchase down payment required. All offers valid thru August 31, 1986 For credit benefits, purchase must be financed through JI Case Credit Corporation

## BIG SPECIALS AVAILABLE DURING AG PROGRESS DAYS!

Save Even More By Taking Delivery On One Of Our Trucks Traveling To And From The Show!

**BINKLEY & HURST BROS. INC.**

SALES PARTS SERVICE

133 Rothsville Station Rd., Lititz, PA 17543

Located ½ Mile North of Rothsville

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GEHL®

# HERE'S YOUR OPPORTUNITY!

## Compare The PRODUCTS - The PRICES - The POWER - The PERFORMANCE OF THESE FINE SKID LOADERS...

## No Matter What The Job, Binkley & Hurst Bros. Has A Tough Loader To Conquer The Task! GEHL'S GOT IT!

## 20 TO 60 H.P. UP TO 40% OFF

**SHOW SPECIAL LOOK!**

Haul On Your Pickup Truck

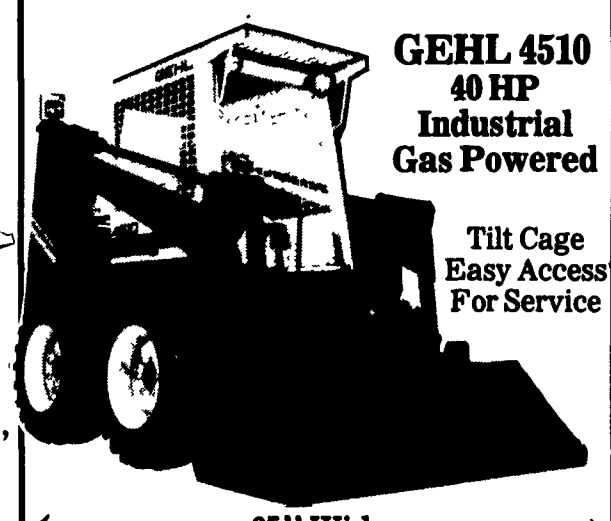
**GEHL 3310**

New 20 HP Demo, w/5.70x15 Tires & 48" Wide Bucket
S.N. 1295
List $11,841

**SHOW WEEK SPECIAL $5,970**

F.O.B. Our Lot

**SELF-LEVELING SKID LOADER**



**GEHL 4510 40 HP Industrial Gas Powered**

Tilt Cage Easy Access For Service

65" Wide

w/65" Bucket, 10.00x16.5 Tires
List Price ..... $17,000 Plus

**DISCOUNT SALE PRICE.... $11,826**

**SELF-LEVELING SKID LOADER**

**GEHL 4610 Diesel Powered**

65" Wide

44 HP Diesel Powered Hydrostatic Drive, 10.00x16.5 Flotation Lug Tires, Factory Fresh, Just Arrived! List Price Over $19,000

YOUR SPECIAL CASH PRICE! **$12,907**

**Gehl 6620**

72" Wide

Operating Capacity Of 2,050 Lbs.

- New Gehl Model 6620, 60 HP w/12.00x16.5 Tires And Hi-Capacity 72" Bucket, Standard Equipped w/Front Aux. Hydraulics & Working Lights

List Price $28,315 No. 1467

**DISCOUNT SALE PRICE .... $18,365**

**BINKLEY & HURST BROS., INC.**

133 Rothsville Station Rd., Lititz, PA 17543
Located ½ Mile North of Rothsville

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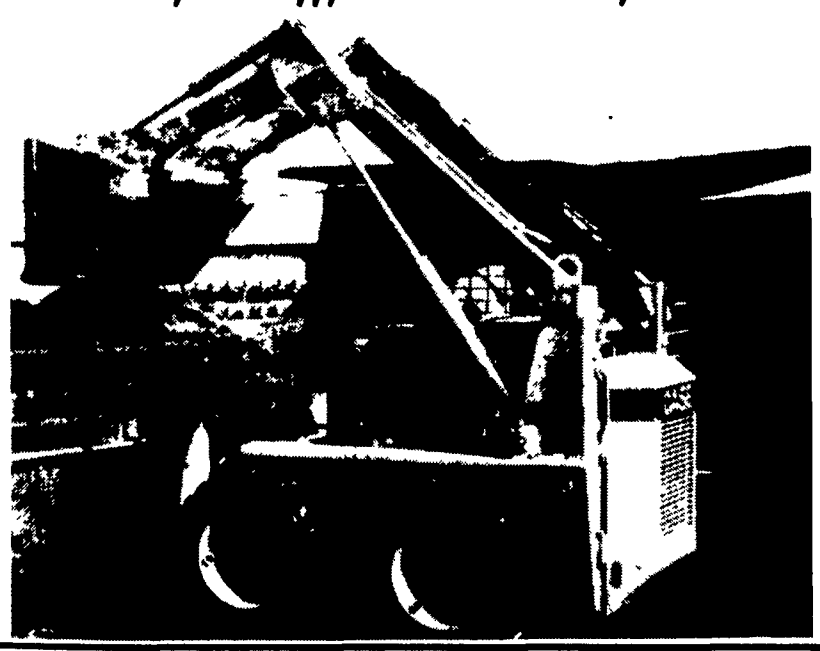
# CASE...THE "CAN DO" MACHINE

*"I can do the work of 10 men with any one of my five 1845 Case Uniloaders," says one happy customer. "You really can't believe it 'til you put one to work!"*



**The line of Case skid steers inlcude three models** to meet your workload requirements. The 1816C, with a 16 net horsepower (11.9 kW) gasoline engine and a width of only 35 inches (889 mm) is a proven performer for tight-quarter work. The 1835B gives you a choice of a Case water-cooled 32 net horsepower (23.9 kW) gasoline engine or 34 net horsepower (25.4 kW) diesel engine. The top-of-the-line 1845C Uni-Loader skid steer features a Case 51 net horsepower (38 kW) diesel with the power to cut big jobs down to size.

**Maneuverability, dependability and serviceability** all add up to better performance and a better bottom line. For more facts and convenient one-stop service see your Case IH dealer.

case IH

**AXIAL-FLOW COMBINES**

Case International Axial-Flow 1600 Series combines provide important advantages in horsepower, grain savings, crop handling speed and capacities. Advances are also apparent in the cab, controls, monitors, feeders, rotors, vane adjustability, cooling capacities, operator comfort, seating, braking and lighting.

***REAP BIG SAVINGS ON NEW CASE IH COMBINES WHILE FACTORY INCENTIVES ARE IN EFFECT***

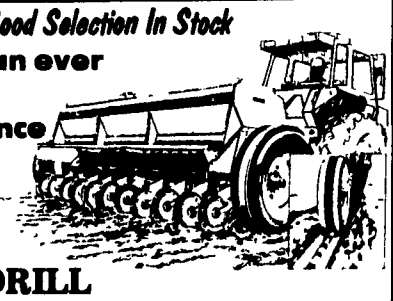
**MODELS 1640 & 1660 AVAILABLE FOR FALL HARVEST**

***Call Today And Check 'Em Out!***

Also: Now is the time to evaluate your combine planter needs before the corn harvest rush. Call our partsmen Bryan or Marty today and place your order for gathering chains, belts, bearings, etc. for your IH combine, under our Discount Parts Ordering Program.

***A Good Selection In Stock***

**Better than ever seeding performance**



**CASE IH 5100 GRAIN DRILL**

20x6 With The Following:

- Hyd. Lift, Less Cylinders
- Soybean Special Package
- Grass Seed Attachment
- Foot Board
- Zig-Zag Offset Double Disc Openers
- Press Wheel Optional

**SELLING PRICE ..... $5,940**
**DOWN PAYMENT ..... $1,782**

No Interest Or Payments till July 1, 1987, Then 8.5% A.P.R. w/26 Payments of $176.25 (Plus Insurance)

***Here Is An EXCELLENT BUY!***

Come in and see why Case International drills lead the field.

case IH

***Big Tractor Features In A Small Tractor***

**CASE IH MODEL 254 4WD**

24 HP, Syncromesh Transmission, Power Steering, 540 PTO, 3 Pt. Hitch

**Also AG TECH MODEL 720L LOADER w/60" BUCKET**

Complete Unit..... **$8,400 CASH**

**BINKLEY HURST BROS. INC.**

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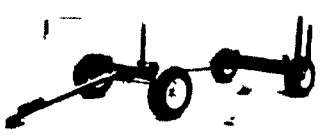
Hours. Mon -Fri. 7 AM - 5 PM, Sat 7 AM - 11 30 AM
Sun Closed - Lord's Day

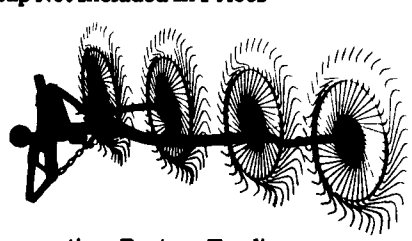
# Check Out This Listing Of Excellent NEW & USED Values

## NEW

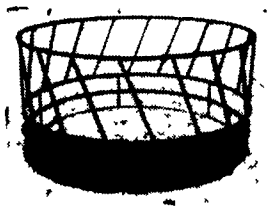
- Better-Bilt 12' Long Vacuum Jet Pump For Terrific Manure Pit Agitation w/Hydraulic Drive & 12 Ft. of Hydraulic Hose. Suction Hose From Tank To Pump Not In Price
  Regular Price ~~$1,495~~ ..... $1,198
  See Or Call Our Parts Dept. For Suction Hose & Couplings
- Better-Bilt Model 3350 Auger Matic Manure Tanker w/Tandem Axle, Demo ..... Only $6,850
- Bush Hog 4 Ft. 3 Pt. Squealer Cutters ..... $475
- Bush Hog 7 Ft. Twin Rotary, 3 Pt. Squealer Cutters ..... $1,196
- Behlen EXL15 Wire Corn Crib w/Approx. 53 Tons Capacity, Other Sizes Available
  List $1,256 ..... Special $1,150
- New Case IH Model 600 Blowers To Arrive Soon! Place Your Order Now!
- Case 96" Wide Bucket To Fit Case 90 Series Loader, NC 1266 ..... Only $475
- 72" Bucket To Fit IH 2250 Loader, NC 1267 ..... $668
- Pallet Fork Attachment In Stock To Fit Case Model 54L Tractor-Mount Loaders ..... Only $485 Ea.
- New Case Ingersol 38" Pull Type Twin Brush, Heavy Duty Lawn Sweeper ..... $369
- Furest Drag-Type Harrows In Stock, Ideal For Pasture Leveling
  And Many Other Uses...8 Ft. Model ..... $485
  12 Ft. Model ..... $754
  14 Ft. Model ..... $817
- Gossen Bale Chopper w/30 Ft. Of Hose & 11 HP Honda Engine, Stationary Mount
  Regular Price $3,050 ..... Order Now For Only $2,850
- Gehl MS322 V-Type Scavenger Spreader, 2239 Gallon Capacity ..... Coming Soon!
- New Gehl Demo. Model 315 Scavenger-Type Slinger Spreader, 1575 Gallon Capacity
  List Price $9,660 ..... Sale Price $7,585
- New Gehl 960 Wood Forage Box, 3 Beater & Roof, 16' Length,
  Only 2 Left At Discount Prices
- New Gehl Model 1580 Forage Blower, 540 PTO ..... $2,950
  1000 PTO Drive ..... $3,150
- New Model 100 Mix-All Grinder w/2 Screens, All Hydraulic Self-Contained ..... $6,550
  With Scales ..... Only $7,775
- Hardi Backpack Sprayer Model RY15 ..... Only $89.50
- Speed King Heavy Duty, Bottom Drive, Transport Grain Auger, PTO Drive With
  Downspouts And Hoppers... • 10"x51' ..... $2,730
  • 10"x61' ..... $3,075
  • 10"x71' ..... $3,725



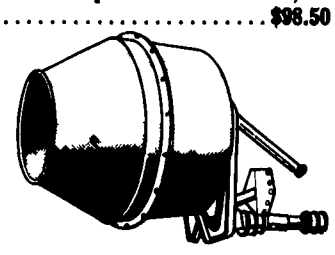
- New 8 Ton Wagons w/Adj. Quick Hitch, 8x15 Wheels ..... $460
- w/6x15 Wheels ..... $445
  Tires & Setup Not Included In Prices



- Ideal For Hay, Straw And Much More! Special Offer On New Quality Built Rakes. Notice: Rake Your Hay, Straw And Corn Fodder With An Inexpensive, 3 Pt. Wheel Rake For Only ..... $495



- SPECIAL OFFER - Ideal For Summertime Pasture Feeding Round Bale Feeders w/Lower Feed Saver Panel, 8" Dia.x44" High w/15" Feed Saver Panel. Round Feeders Are Rugged Constructed To Give Years Of Feed Saving Service. Each Feeder Makes It Possible To Feed Nearly 100% Of Your Big Bales To Over 20 Head Of Full Grown Cows. The Nearly 100% Utilization Of Feed Can More Than Double Your Feed Dollars. w/Short 4" Extension Legs To Keep Unit Above Mud, In Stock ..... $98.50



- Do Your Own Light Concrete Work With Your Own Mixer, Brand New 3 Pt. Hookup Cement Mixer w/540 PTO Drive, Mix Capacity Approx. 84.5 Gallons. Most Competitive Models Priced Well Over $800 ..... Our Discounted Sale Price Only $485

- 3 Pt. Hitch Buzz Saw ..... $450
- 3 Pt. Post Hole Diggers w/9" Auger ..... $325
  w/12" Auger ..... $345
- 3 Pt. Rock Rakes w/Gauge Wheels...6 Ft. ..... $395
  7 Ft. ..... $410
  8 Ft. ..... $425
- Model 1010 3 Pt., 10 Bu. Spinner Spreader ..... $329
- Model 610 3 Pt., 6 Bu. Spinner Spreader ..... $284

- Now Is The Time To Dig Your Potatoes The Easy Way
  3 Pt. Potato Plow ..... Only $78.50
- South East 3 Pt. Round Bale Carrier ..... $195
- IMC 3 Pt., 5 Ft. Rear Mt. Lawn Mower ..... $695
- IMC 3 Pt., 6 Ft. Rear Mt. Lawn Mower ..... $875
- IMC 3 Pt. Vertical Hydraulic Log Splitter Up To 15 Ton Pressure ..... Only $385

- IMC 3 Pt. PTO Cable Logging Winch w/ 3 Ton Pulling Power ..... Only $545
- IMC Model 280, 9 Ft. Pull-Type Hay Tedder ..... $795
- IMC Model AG 320 Pull-Type, 9 Ft. Rotary Hay Rake ..... $950
- Knight 252 Single Axle Manure Spreader w/Endgate, Top Beater & Lower Spinner Beater ..... $5,250
- Knight Model 410 Souper-Solid Tandem Axle Manure Spreader For Semi Solids And Pen Pack Manure, Approx. 400 Bu. Size, 1 Only...$8,915 ..... Now Only $8,450
- Lower Spinner Beater Available For Knight 410 Or 350 Manure Spreader ..... Only $280
- Kuhn EL 35/92 3 Pt. Roto-tiller w/Slip Clutch, 36" Width ..... $828
- Kuhn Model 440, 13 Ft. Pull-Type Hay Tedder...Regular Price ~~$2,350~~ ..... Special Sale Price $2,125
- Landol 18'9" Soil Master Coulter Chisel, Hydraulic Wing Fold, Weight Approx. 5 Tons Reg. List Over $16,363 ..... Special Sale Price Only $9,800

## USED

- IH 600 Forage Blower, UM 1035 ..... $1,495
- Hutchinson 6"x53', PTO Driven Grain Auger, Transport-Type, 4 Years Old ..... $1,050
- 6 Ft. ATI Manure Fork For Case 1845C Uniloader, UM 1031 ..... $496
- Heavy Duty Pallet Fork Attachment To Fit J. D. 544 Payloader, UM 1027 ..... $250
- Gehl 99 High Throw Forage Blower, UM 1001 ..... $400
- IH 56 Blower w/New Band, Ready To Blow, UM1003 ..... ~~$1,295~~ $1,090
- IH 56 Blower w/New Band Last Year, UM 1004, Heavy PTO Shaft ..... $975
- IH 56 Blower, Regular Duty PTO Shaft, UM 1034 ..... $575
- Gehl 99 High-Throw Twin Spinner Forage Blower, 540 PTO, Excellent, UM 1005 ..... $1,295
- Take Your Pick From 2 Used Gehl Model 810 Forage Boxes, 3 Beater, No Roof, On Single Axle 10 Ton Wagons w/11Lx15 Tires
  Each ~~$1,495~~ ..... $1,450
- New Holland No. 8 Forage Box w/Roof On 10 Ton Zimmerman Wagon, UM 1008 ..... $1,950
- New Holland No. 8 Forage Box Crop Carrier w/3 Beater Roof On Hoover 10 Ton Wagon, UM 1024, Good ..... $2,995
- Gehl Tandem Axle Model 350 Manure Spreader w/Hydraulic Endgate, UM 1010 ..... $2,600
- Rhino 12 Ft. Model 83 Transport Disk w/9" Spacing On Front Gangs & 7½" On Rear Gangs, Approx. 20" Diameter Blades, UM 1011...~~$1,495~~ ..... Now Only $1,180
- Taylorway 18' Hydraulic Wing Fold Disk Harrow & Hydraulic Transport Cylinder, Dual Transport Wheels, New 20" Earth Metal Blades On Front, UM 1012...~~$4,650~~ ..... Now Only $4,250
- Glencoe 12 Ft. Field Cultivator, Transport, Less Hydraulics, Pull-Type, Fair Condition...~~$850~~ ..... $690
- Allis Chalmers Model 600 4 Row Wide No-Till Corn Planter w/Monitor & Dry Fertilizer, Very Good, UM 1014 ..... $1,950
- White Model 5400 No-Til Planter, 4 Row, Seed Monitor & Alarm w/Markers, Dry Fertilizer & Insecticide, Adjustable Row Spacing, UM 1015 ..... $4,950
- IH Model 510, 21x7 Grain Drill w/Hydraulic Lift, Less Cylinder, Single Disc Openers, UM 1016...~~$2,195~~ ..... Now Only $1,750
- New Holland Model 80 3 Pt. Round Bale Mover, Less Cylinder, UM1017 ..... $385
- MF Front End Loader Attachment To Fit Ford 901 Narrow Front Tractor, UM 1018 ..... $150
- Gehl 42" Bucket To Fit 360 Gehl Skid Loader, No. 801747 ..... $185
- Starline Tank Spreader, Tandem Axle ..... $3,650 or Best Offer
- Gehl 135 Mix All Grinder Mixer w/Digital Screens ..... $5,350
- Good Used DMI Dual Wheel Kit Complete w/70% Tread, 16.9x38 Tires ..... Only $485
- Valk Truck, Front-Mount 8' Snow Plow w/Hydraulic Lift & Manual Angle w/Adjustable Skid Shoes ..... $750
- Good Used 6"x28 Ft. Transport Speed King Grain Auger ..... $550
- 72" Manure Fork, Used 10 Hrs., To Fit Case 1835 Uniloader, UM 1029...~~$549~~ ..... $400
- IH 56 4 Row Plate Planter w/Rubber Press Wheels, Disc Openers, Dry Fertilizer, UM 1036 ..... $1,650
- MC Rotary Scythe, 7 Ft. Cut, Pull-Type Model ..... $980
- Available Now And In Stock: Steel Structure Approx. 40'x110' Long With Bar Joists, 2 Overhead Doors w/Automatic Openers, Less Siding And Roof...Was $7,900 ..... Now Only $5,900
  You Haul Away
- Good Used Hydraulic Elevator w/Cage, Hydraulic System & 3 Phase Motor, In Stock, Come And See ..... Only $1,250
- Used Aluminum 4'x4' Carts w/Dolly Wheels, Like New At ..... $18.00 Ea.
  Note! Wheels Are Worth More Than That
- Folding Accordian-type Security Gate ..... $19.00

- Myers 518 16 Ft. Aluminized Sides Forage Box w/3 Beater & Roof Mounted On 10 Ton EZ Trail Wagon w/11Lx15 Tires ..... $5,390
- Pacer Landscaper, 3 Pt. Hitch...6 Ft. ..... $646
  8 Ft. ..... $733
  Includes Spike Teeth Rippers, Scraper Leveling Blade and Roller
- American Built Sasquatch, 9 HP, 3 Wheel w/Reverse Transmission, Big Flotation Tires & Variable Speed Drive...Reg. $1,750 . Sale Price $1,495
- South East Roll-Over Box Scarifier And Scraper Blade For Landscaping, Etc....6' Model ..... Only $716
  7' Model ..... Only $765
- South East 3 Pt. Round Bale Spear Model SBC 1500 ..... Sale $130
- South East Quick Hitch For Your Tractor, 3 Pt., Cat. 2, Up To 150 HP Rating, No. 1472 ..... Only $295
- South East RC120 Pull-Type 10 Rotary Cutter, 1 Only ..... $2,390

BINKLEY HURST BROS. INC.
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133 Rothsville Station Rd.
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## Eager Beaver 35GHG/BR IN STOCK

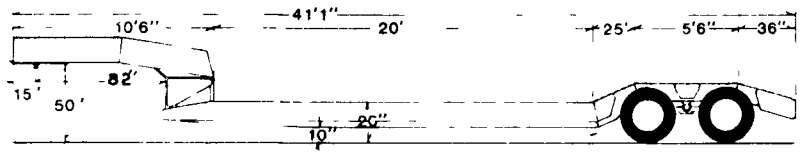
# AMERICA'S FAVORITE 35 TON DETACHABLE COMES LOADED WITH OVER $3000 WORTH OF FREE OPTIONS

FREE

New Scraperneck
- A low-profile neck for more load space — A $750 Value

New Michelin Pilote XZA Low-Profile Tires
- 255/70R22.5 with big 161/2" x 7" Brakes — A $900 Value

Lock-in, lock-out outriggers — A $1350 Value




| Capacity at 40 MPH | Trailer Weight | Gross Vehicle Weight at 40 MPH | Overall Length | Overall Width | Deck Length | Deck Width | Deck Height |
|---|---|---|---|---|---|---|---|
| 70 000 lbs | 15 600 lbs | 85 600 lbs | 41 1 | 96 | 20 | 96 | 26 |
| 31 752 kg | 076 kg | 38 828 kg | 12 522mm | 2 438mm | 6 096mm | 2 438mm | 660mm |

**HYDRAULIC POWER UNIT**
**Engine** 8 hp Kohler gasoline electric start rated at 3600 RPM
**Pump** Webster gear pump 5 GPM at 3600 RPM
**Control Valve** Gresen SP4
**Hydraulic Cylinder** 7 Bore 26 Stroke
**Outside Controls** Key start choke and control valve all at eye level
**Decking** 2 Nominal Hardwood
**Ramps** Length 54 width 22 loading width adjustment 96 to 23
**Lights** 12 volt DOT approved sealed beam rubber mounted with sealed modular wiring harness

**Color** Manufacturer's Standard Yellow
**Hubs** (4) Cast spoke 20
**Rims** (8) 8.25 x 22.5
**Axles** capacity 25 000 lbs each
**Suspension** Hutch H 900 50 Single Point Spring capacity 50 000 lbs
**Break-a-way System** Integral
**OTHER FEATURES**
Hi Tensile steel mainframe • Pierced crossmembers • Stemco oil seals

List...$23,350 SALE **$19,895** Plus F.E.T.

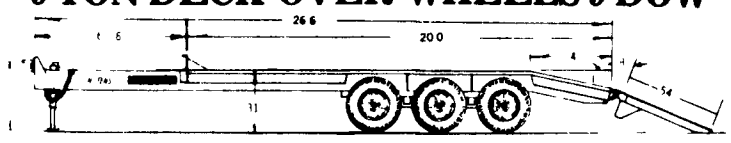
## Eager Beaver 20HA

**20 TON HEAVY AIR BRAKES 20 HA**
List... ~~$12,095~~

Capacity: 40,000 lbs. at 50 MPH
Trailer Weight: 7,050 lbs.
Overall Length: 27'6"
Overall Width: 96"
Deck Length: 22'
Deck Width: 96"
Deck Height: 37"
Tires: (8) 8.25 R 15 (G) Radial

**OUR PRICE $9,250**
Plus F.E.T. $846.00

## 9 TON DECK-OVER-WHEELS 9 DOW




**NEW MODEL 9 DOW**

9 Ton, 3 Axle, Electric Brakes, Complete Truck Wiring Harness Kit Including Brake Control.

Reg. List Price, Setup....$5,500 **OUR PRICE ONLY $4,350**
Also Available: B9.DOW BUDD WHEEL MODEL..... **$4,550**

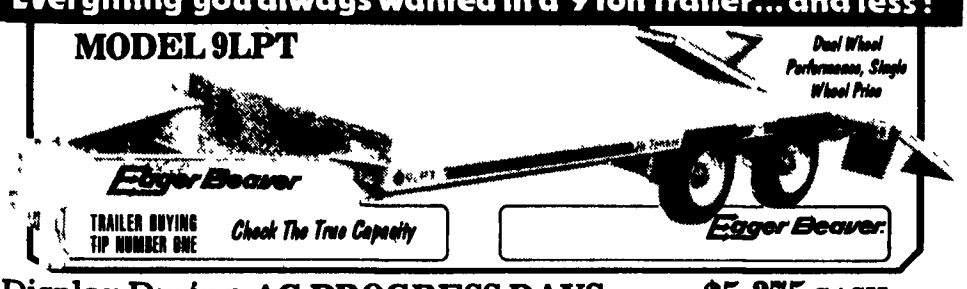
## Eager Beaver NEW WITH ELECTRIC BRAKES! 10 Ton Heavy Duty Brakes 10HDB

- Capacity: 20,000 lbs. at 54 MPH
- Trailer Weight: 5,800 lbs.
- Overall Length. 24'6"
- Deck Width 96"
- Deck Height: 32½"
- Tires: (8) 8.75x16.5 (E)
- Overall Width: 96"
- Deck Length: 20'

Reg. Price $9,050
**OUR PRICE $7,300**

**Only from EAGER BEAVER - Michelin Tires • Tandem Axles • Single Wheels**
**Everything you always wanted in a 9 Ton Trailer... and less!**

**MODEL 9LPT**




On Display During AG PROGRESS DAYS **$5,375 CASH**

**BINKLEY & HURST BROS. INC.**
SALES PARTS SERVICE

133 Rothsville Station Rd., Lititz, PA 17543
Located ½ Mile North of Rothsville
(717) 626-4705
Hours: Mon.-Fri. 7 AM - 5 PM; Sat. 7 AM - 11:30 AM
Sun. Closed - Lord's Day

## EAGER BEAVER GOOSENECK

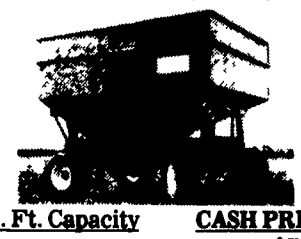
- Pene-treated pine wood floor
- Gooseneck jackstand
- ICC lights with Berg connector
- Dexter axles with multi-leaf spring
- Automotive 8-bolt hubs with 16" rims
- Chrome hubcaps
- Stake pockets with rub rail
- Removable hide-away ramps (fully adjustable)
- 6 ton capacity

| MODEL | BRAKE AXLE | HITCH TYPE | DECK WIDTH | DECK LENGTH | DECK HEIGHT | OVERALL LENGTH | DECK MATERIAL | TIRE SIZE | CAPACITY | WEIGHT | COLOR |
|---|---|---|---|---|---|---|---|---|---|---|---|
| [illegible] | 3 (electric) | 3 Gooseneck Ball | 96 | [illegible] | [illegible] | [illegible] | Pine [illegible] | 9.5x16 | 17000 lbs | 4000 lbs | SOUTHEAST RED |

CASH.....**$4,495** INCLUDES 4 Ft. Folding Ramps

## Why Settle For Less When You Could Buy The Best?
## UM BINS & RUNNING GEARS

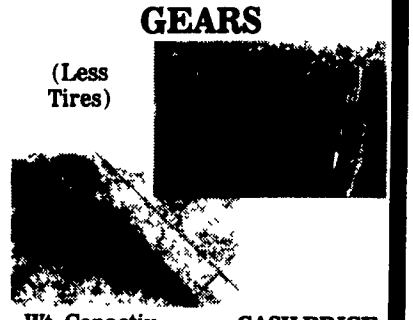
**High Performance Gravity Flow GRAIN BOXES**



| Cu. Ft. Capacity | CASH PRICE |
|---|---|
| • 190 | $540 |
| • 230 | $625 |
| • 275 | $685 |

**High Performance Wagon Running GEARS**

(Less Tires)



| Wt. Capactiy | CASH PRICE |
|---|---|
| • 8 Ton | $670 |
| • 10 Ton | $755 |
| • 12 Ton | $1,035 |
| • 12 Ton Tandem | $1,230 |

*Save A Trip!*
**UM DRILL-MOUNTED CULTI-PLANTER ON DISPLAY**
Culti-Planter mounts to the front of your grain drill/planter. It becomes an integral part of the implement so you can finish the seedbed and plant seed on the same trip through the field.

**$3,250**

## TAG-A-LONG TRAILERS

*Check Our New, Increased Weight Specifications*
*SAVE A BUNDLE*

**SOUTHEAST®** BIG OX

**SPECIFICATIONS:**

| | |
|---|---|
| Axles.....2 | Color .....Yellow |
| Brake Axles.....2 | GVW .....12,005 Lbs. |
| Hitch .....2 5/16" Ball | 16 Ft. Model |
| Deck Material ... Oil treated 2" pine | Deck Width .....76" |
| | Deck Height .....19" |
| Tires .....8x14.5 | |
| Capacity .....10,000 Lbs. | |

**Removable Bolts On Fenders Are Included In Price**

- **TT14** Deck Length: 14 Ft. List ~~$2,465~~ SALE **$1,695**
- **TT16** Deck Length: 16 Ft. List ~~$2,635~~ SALE **$1,755**

*HEAVY HAULERS TAKE NOTE!* IN STOCK

**NEW 50 TON TRAILER**

**General Model 50 BDH**

- 48' Length • Air Ride Suspension
- Single Drop • Two Tool Boxes
- Michelin Radials
- Spread Axle
- 102" Width • Dark Brown
- Budd Wheels Color

*All This & More At Our AG PROGRESS DAY Display For Only .....* **$18,800** Plus F.E.T.

List ~~$21,660~~

**BINKLEY & HURST BROS. INC.**
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133 Rothsville Station Rd.
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Located ½ Mile North of Rothsville
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Sat. 7 AM - 11:30 AM
Sun. Closed - Lord's Day

Attention Mr. Farmer

# CHECK WITH US FOR YOUR PARTS NEEDS!

## We Have In Stock A Good Selection of Parts For International Tractors and Equipment; Case Tractors And Equipment; And Good Parts Backup For Gehl, Rhino, And Better-Bilt Equipment. Also We Are Your Parts Connection For The Case IH Line.

*Shorthanded And In Need Of Parts?*

**WE DELIVER!**

**If your equipment is disabled and you need parts, call for emergency delivery!**

**(717) 626-4705**

If you're within 150 miles of our dealership, we guarantee PROMPT delivery of any parts from our inventory. (5 hrs. or less)

A very minimal fee will be charged to provide this emergency service. C.O.D. unless approved credit.

***We continue to provide FREE non-emergency parts courier service.*** Also, contact our parts department for considerable discounts on non-emergency parts orders.

"DAILY UPS & FEDERAL EXPRESS PARTS SHIPMENTS"

## SHOP NO FURTHER

**We Have Premium Quality EARTH METAL Tillage Parts At BARGAIN DISCOUNT PRICES**

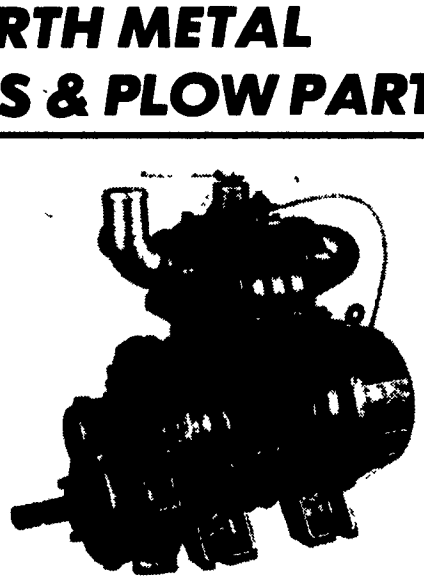
***Can't Afford A New Disc? Re-blade Yours At A Fraction Of The New Cost***

## UP TO 35% SAVINGS On IH EARTH METAL DISC BLADES & PLOW PARTS

## VACUUM PUMPS

For Your Liquid Manure Handling Spreaders

**$975**

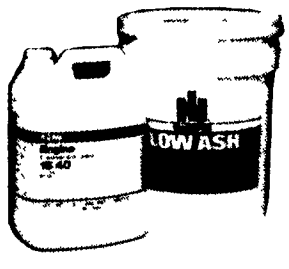


## NOW Case IH Is The Time To Stock Up On CASE & INTERNATIONAL Brands Motor, Hydraulic And Transmission Oils At BIG SAVINGS

## Up To 20% DISCOUNT

We Received A Truckload Of Oil And Are Passing The Savings On To You

**DISCOUNT PRICES On Discount Days Only**



**WHY SHOULD I BUY CASE & INTERNATIONAL OIL?**

- They are the only Case & IH approved lubricant.
- They are designed specifically for use in Case & IH equipment.
- They are formulated to do the job required.
- They have been subjected to extensive lab & field testing.
- They are specially blended for Case & IH Specifications.
- They are blended with additives components designed to provide specific lubrication qualities.
- They are quality products.

## Check This List For Your Needs Or Call And We Will Assist You... We Have Blades For ALL Popular Disc Harrows

CASE IH - AMCO - ATHENS - BUSH HOG - DEERE
KRAUSE - RHINO - TAYLORWAY - AND MORE

**BLADES**

| ITEM NO. | BLADE DIA. | HOLE SIZE | THICKNESS | KIND | REG. LIST | DISCOUNT SALE PRICE |
|---|---|---|---|---|---|---|
| 998809R1 | 20" | 1.25 round 1.5 round | 4.5mm/7 ga. | Smooth | $22.34 | $14.60 |
| 30922R1 | 20" | 1 11/16 Sq. 1 19/16 Sq. | .177 ga. | Smooth | $22.34 | $14.60 |
| 644010R5 | 22" | 1 1/8 sq. 1.25 sq. | 5 mm/6 ga. | Smooth | $29.07 | $20.99 |
| 960968R4 | 22" | 1.5 round 1.25 sq. | 5 mm/6 ga. | Smooth | $29.07 | $20.99 |
| 956702R4 | 24" | 1.25 sq. 1.5 round | 5 mm/6 ga. | Smooth | $35.00 | $22.87 |
| 998865R2 | 24" | 1.5 sq. 1.75 round | 6.5 mm/¼" | Smooth | $44.27 | $29.95 |
| 1132171R1 | 22" | 1.25 sq. 1.5 round | 6.5mm/¼" | Smooth | $39.10 | $25.80 |

## SAVE ON TOUGH, LONG-LASTING PLOW SHARES AND GET...

High carbon, uniformly heat treated Case International plow shares assure you efficient, dependable performance. And, just like Case International disk blades, they also promise you longer wear because they have substantially more metal in the tips. The old, old quality story of more for your money.

**FLAT SHARES For Super Chief® Bottoms**

| | List | SALE |
|---|---|---|
| • 14"...463240R2 | $11.10 | $7.50 |
| • 16"...463241R2 | $12.51 | $8.50 |

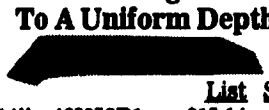
**SHINS**

| | | |
|---|---|---|
| • 132001C1 | $11.60 | $7.50 |

**MOLDBOARDS**

| | |
|---|---|
| • 96000C1 | $76.95 |

**DEEP SUCK SHARES Plow The Toughest Soils To A Uniform Depth**



| | List | SALE |
|---|---|---|
| • 14"...463252R1 | $15.14 | $9.95 |
| • 16"...463253R1 | $15.21 | $9.99 |

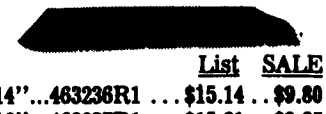
**COULTERS**

| | | |
|---|---|---|
| • 17" | $25.31 | $14.50 |
| • 20" | $34.76 | $23.75 |

**WEAR PAD**

| | | |
|---|---|---|
| • 59058C1 | $7.79 | $6.50 |

**UPSET HEAVY DUTY THICK POINT SHARES**



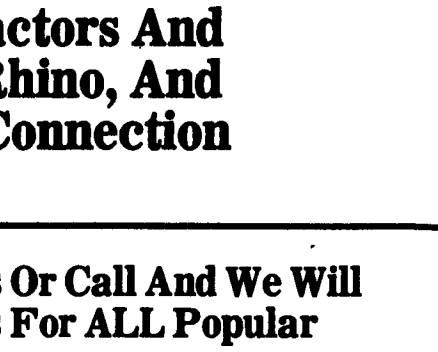
| | List | SALE |
|---|---|---|
| • 14"...463236R1 | $15.14 | $9.80 |
| • 16"...463237R1 | $15.21 | $9.85 |
| • 18"...463238R1 | $16.62 | $11.25 |

**LAND SLIDES**

| | | |
|---|---|---|
| • 59057C1 | $14.35 | $10.50 |

EARTH METAL

## LONGER WEAR...



**That's the promise fullfilled with Earth Metal® Moldboards**

Earth Metal - the same outstanding material used in Case International disk blades - is used in Case International moldboards and shins, making them tougher, stronger, and longer-lasting.

**Greater strength.** Our solid steel bottoms are stronger than those made with conventional steel. Lab and field tests show that these bottoms perform better against stumps and rocks and during punishing high-speed plowing.

**Longer Life.** Conventional bottoms have moldboards and shins made of material with hard outside layers and a soft middle layer. Case International bottoms are hard all the way through and have greater resistance to breakage than the "sandwich" types.

ONLY **$55.99**

**USED REAR TRACTOR TIRES**

- 1 Set 20.8x38, 10 Bolt Axle Duals w/3¼ In. Axle w/80% Tread ..... $1195
- 1 Set 16.9x38 DMI Duals ..... $595
- 2 Armstrong 20.8x38 20% Tread ..... $50 Each
- 4 13.6x38 w/Tubes, w/90% Tread ..... $25 Each

**NEW TIRES**

| | |
|---|---|
| • 20.8x38 8 Ply | $395 |
| • 18.4x38 - 6 Ply | $290 |
| • 18.4x38 6 Radial | $395 |
| • 16.9x38 Radial | $350 |
| • 13.9x36 4 Ply | $129 |
| • 18.4x38 10 w/Tube | $395 |
| • 18.4x34 8 Radial | $435 |
| • 18.4x34 8 | $295 |
| • 12.4x24 6 | $130 |

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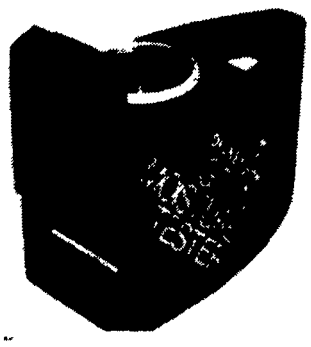
# DICKEY-john DjGMT Grain Moisture Tester

The DICKEY-john Grain Moisture Tester measures moisture content automatically You don't have to preweigh the sample There are no meters to read, no dials to set, and no thermometers to lose. As soon as you pour in the grain sample, the testing sequence begins. A digital readout is displayed when the proper weight of the sample has entered the test chamber. The readout is corrected for temperature at the touch of a pressure-sensitive switch. Models are available with direct readouts for corn, soybeans or wheat, and adhesive conversion charts are provided for other grains.

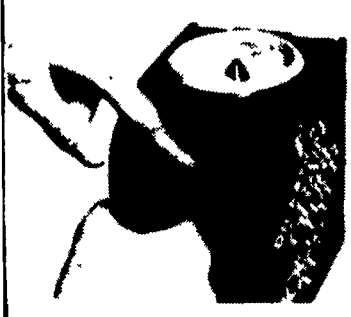
- **GRAIN MODEL**
  List...$259
  **CASH.....$185**
- **FORAGE MODEL**
  List...$310
  **CASH.....$215**

## Simple, four-step operation

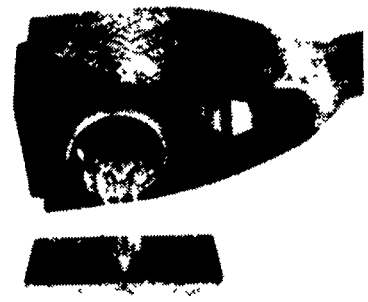


**1** Place the tester on a steady, level surface. Then, lift the protective cover up and slide it down out of the way.

**2** Use the sample cup to pour grain into the testing well. Pour slowly and steadily, taking about eight to ten seconds to empty the sample cup. A readout will appear automatically.



**3** Wait at least fifteen seconds. Then, press the temperature compensation switch for a direct readout of the moisture content of the grain listed on that switch. Refer to the appropriate chart for other grains.



**4** Empty the tester by turning it over. (If you should forget to empty the test well, the tester will shut itself off automatically after two minutes.)

**BINKLEY & HURST BROS., INC.**
133 Rothsville Station Rd. (717) 626-4705 Lititz, PA 17543

## PARTS DEPARTMENT SPECIALS

**3"x8" HYDRAULIC CYLINDER**
• 3" Tie Rod • 1¾" Shaft
DISCOUNT SALE PRICE **$49.95**

**TRACTOR TOOL BOX**

DISCOUNT SALE PRICE
**$10.20**

## ATTENTION

**We Stock 4" Clear Wire Reinforced Suction Hose For Your Liquid Manure Handling Needs**

**$7.25/Ft.**

**Also 6" HOSE**

**"DAYTON" Totally Enclosed Fan Cooled Farm Duty Electric Motors**

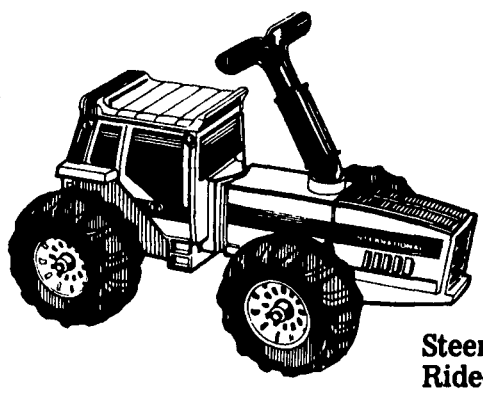
| | List | SALE |
|---|---|---|
| ½ HP | $104.05 | $85.60 |
| ¾ HP | $127.66 | $101.61 |
| 1 HP | $139.48 | $109.26 |
| 1½ HP | $172.57 | $144.45 |
| 2 HP | $234.59 | $183.32 |
| 3 HP | $318.06 | $199.95 |
| 5 HP | $432.45 | $275.42 |
| 7 HP | | $395.00 |

**UPS Shipping Available**

*Hundreds Of Toys In Stock*

**Do Your Shopping Here For**

# BIG DISCOUNTS



**10% OFF**

- Toys For The Children, Your Future Farmers
- Toys For The Collector

Steerable Ride-On-Tractor

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*On Display At AG PROGRESS DAYS*

**DUMP & CARRY**

- 3 Point Hitch Hookup (Cat. 1)
- 40x40x12 Inch Box
- 11 Cu. Ft. Capacity (500 lbs. max.)
- Lowers to Ground Level to Load
- Load Cargo at Ground Level
- 3 Position Tail Gate
- Rasies to Level for Transport
- Easy Touch Gravity Dump
- No Hydraulic Hookup Problems

**$295**

For Sale: 403F Vermeer round baler. 412-423-4076

For Sale: 600 Diesel McCormick tractor on steel, completely rebuilt. Beiler Engine Service, 280 Pennsy Rd., New Providence, PA 17560.

For Sale: 84" Bush Hog rotary mower, excellent condition. Also self propelled tobacco cutter. 717-426-3135

For Sale: Case 310 diesel crawler loader, good condition. 304-263-9801

For Sale: Detroit diesel power unit, model 253, 45 HP, 471 120 HP, 671 180 HP. Also used 7 tooth Glenco soil saver. 717-776-7725.

For Sale: Fox Chopper 2000 w/electric knife sharpener & 7' grass head, A-1 condition, ask for Bob after 6 p.m., 717-379-3245.

For Sale: Gehl and Grove self unloading boxes, $875.; 2 MF 6 row corn heads; MF 750 diesel w/2 heads, 300 w/2 row head, $2,800.; JD 34 w/1 row head; Hesston 2 row narrow corn head. Don Erdley Equipment, Lewisburg, Pa. 717-524-2410

For Sale: IH 540 4B plow, $800; NI #7 Corn Picker, $400; all in good condition. 215-343-0347, leave message.

For Sale: JD 4240, cab, A/C, Q.R., real sharp, 18.4x38 tires. Call after 5, 717-532-3643.

For Sale: JD 2030 live PTO in good condition, $6,000; one saddle tank, 200 gal., $60. 717-922-4385.

For Sale: JD 115 tandem disc, 32 blade, 10' 6" finish, like new, $2,595. Lancaster Co. 717-354-0327

Front end loader for JD 850 or 950 tractor. 814-364-9333.

Gehl 120 grinder mixer w/Sutor-Bilt blower, good condition, $2,500. 717-548-2760

Gehl 1250 harvester, 3 row corn head, grass head, 2 years old, excellent condition, field ready, $8,950. 717-866-6167

Gehl Chop King, 2RW, exc. cond., $600/offer. 301-833-9091.

Gehl Skid Loader, 2600, excellent condition. 814-793-4293

Gleaner, both heads, excellent, $5,950. Larry Stalter, "The Combine Man", 219-862-2151.

Grain Dryer, PC-16 Driall continuous flow, power take off. 800 Bu. Holding Tank w/16'6" auger w/ new 3hp motor. One 20'6" auger w/3hp motor. All for $2,000 or best offer. 301-778-2946. Earl Gilbert, Rt.1, Box 638-A, Chestertown, MD 21620.

Hayrake, NH 258, exc., $1300. 301-833-9091.

Hough Payloader with bucket, 4WD, 4-in-1 bucket with backhoe. 814-793-4293

Hough Payloader model H50D, 6' bucket, 353 GMC diesel, rubber tires, good condition, $5,500. 215-869-8645 or 215-869-9188

Hydraulic excavator, Hein-Warner C24, very good cond., $18,000. 301-833-9091.

IH 1066 w/2350 loader, very good condition, $8,500. 301-833-9091.

IH #16 harvester w/corn head and hay pickup, $600 negotiable. Union Co. 717-966-3961.

For Sale: JD 2150 tractor w/175 front end loader, and 606 rotary cutter, 49 hours. Best Offer over $14,000. 215-944-8913. Mornings & Evenings. Fleetwood, Pa.

For Sale: Massey Ferguson No. 925, excellent condition, $3,500; also two No. 72 combines, Allis Chalmers, one excellent, one good. Price, $1,400, $700. Phone 717-549-5388 or 717-549-2490.

For Sale: MF 260 Forage Harvester, both heads, good working order, electric controls, new knifes, $1500. Lebanon Co. 717-272-9783.

For Sale: MF 410 combine, grain head & 4 row narrow corn head. 717-426-3209

For Sale: New 60" heavy duty roto-tiller, $1,000. Kutztown, PA. 215-683-7230.

For Sale: NH 880 harvester, 2 heads; JD 790 tank spreader, left spread hydraulic lid; Gehl 99 hi-throw blower; Case 4-14 plow; 32' hay grain elevator; JD 12' spring tooth harrow. Make offer. 717-993-6808.

For Sale: NI 324 Corn Picker with 12 roll husking bed, good cond. 717-428-3204.

For Sale: New Idea No. 315 sheller unit, exc. shape, stored inside, will fit 324 or 325 two row picker, best offer. Phone 717-323-0953. Lycoming Co.

For Sale: NI hay rake. Lancaster Co. 717-665-5116

For Sale: Used 1976 IH 986 with cab, 495 hours, 3 valves, auxiliary tank, $22,000. Washington County, 412-267-3288.

IH 315 cab, pickup reel, corn head, excellent, $4,950. Larry Stalter, "The Combine Man", 219-862-2151.

IH 464 diesel, only has 200 hrs., looks like a brand new one, $7,800. 717-532-7054

IH 656 NF, hydro., exc., $4,000. 301-833-9091.

IH Forage Wagon Box w/front & rear unload. 717-993-6393

Int. #800 4 row corn planter; Brillion 12' cultimulcher; Oliver #546 5 bottom plow; snowco seed cleaner; Oliver 1650 w/1610 loader, (gas), needs work; NI #709 Uni-system w/6 attachments. 814-938-4744 after 4pm.

International TD9 rebuilt, over $5,000 in brand new parts. All new undercarriage, motor, front pump and clutch, good shape. Also TD14 International, all new undercarriage, cargo winch and top, needs a little work Reasonable. For further information call 717-724-7609.

Ireco 4" irrigation pump, completely overhauled, Wisconsin engine, good condition, Asking $1,500 or Best Offer. 215-298-2011.

JD 110 silage box; Rex silage box. Both need repaired or will sell for parts. 717-665-4743.

JD 2030 with ind. PTO, dual hyd. 814-793-4293

JD 2150, 625 hrs. w/175 loader and canopy, excellent condition. 215-598-7367.

JD 2440, 1600 hrs., hi-low, excellent condition. Lycoming Co. 717-584-2503

JD 2440 independent PTO, very good condition, $7,500. 717-866-7066.

JD 2440 w/hi low, new paint and new tires, very nice, 2,900 hrs. $7,200. 717-532-7054

JD 2840, 1979 model w/canopy & enclosure, excellent condition, $11,000. 717-532-7054

JD 2RN corn head to fit 3800 forage harvester. 717-532-4858.

JD 2 RW corn head with slip clutch, VG condition. 717-665-4743.

JD 300 corn picker, 2R head, excellent condition, $6,500. Larry Stalter, "The Combine Man", 219-862-2151.

JD 300 husker w/3RN head, late model. 703-879-9044.

JD 3010 diesel, excellent condition. 814-793-4293.

JD 3020, gas with new engine. $3,850. 814-793-4293

JD 3130 same as 2840, high/low, dual hydro, new 18.4x34 radials, $7,900. 215-383-6818.

1983 JD 4040S, basically the same as a 4050, cab, QR, caster action, MFWD, 110HP, 2100 hrs., radials, weights, excellent condition. 215-383-6818.

JD 3300 Diesel Combine w/cab & bin extension, 4RN cornhead, 13' grainhead, nice, can be delivered & financed. $12,500. 717-532-8601.

JD 330 Round Baler, 6 mos. old, excellent condition, baled 350 bales, $6,950. Huntingdon Co., 814-643-6353, 814-643-3079.

JD 336 baler w/#30 ejector and two Grove 8x16 bale wagons, $6,000. Mifflin Co. 717-899-6893.

JD 35 chopper w/2 row narrow corn head and grass head. 814-542-8416

JD 3800 forage harvester, in good shape. 717-532-4858.

JD 3960 forage harvester, good condition, $5,900. Call after 8AM, 8/19/86, 717-369-2691 or 717-369-3019.

JD 400 grinder mixer, good solid mill. 717-286-2345


**JD 4430**
QR, dual hydraulic, good rubber, $8,700.
**717-733-4313**

**FOR SALE**
(1) MF model 44 corn head, like new condition.
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**RISSLER FORAGE MIXERS**
5 Sizes Up To 230 Cu. Ft. Capacity
- Fast 2-3 Minute Mix Time
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8 & 9 Ft. Kelly Baggers
Custom Bagging
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Bovi-Jak 20-Cows
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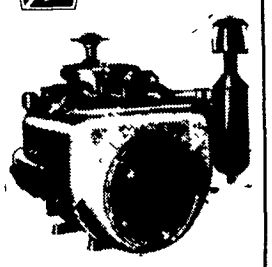
**NEW & USED ENGINES**

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**USED ENGINES**
- 2 Cyl. Hatz Diesel ..... $995
- Wisc. 9 H.P. Clutch Reduction ..... SOLD $275

**WES STAUFFER ENG. & EQUIP.**
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**WE HAVE AN EXCELLENT SELECTION OF GOOD USED SKID LOADERS**

**NH MODEL L325 SKID LOADER**
Hydro. Drive w/60" Bucket
**$5,600**
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- 1845 Case 45 HP Diesel, 1980 Model w/Auxiliary Hydraulics, Lights, 50% Rubber, 73" Bucket, UT 1079.. ~~$9,600~~ ..... $8,995
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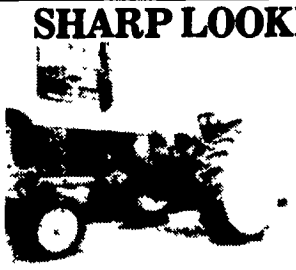
*Price Reduced*
**1967 CASE 450 CRAWLER LOADER w/ROPS**
Undercarriage Needs Works, Motor Runs Good
BUY AS IS FOR ONLY **$6,950**

**SHARP LOOKING JD 3010 DIESEL**

1864 Hrs., New 15.5x38 Tires, Front Tires 70%, 3 Front Wts., Dual Remotes, New Seat, Paint Real Good - Completely Gone Over
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**FEATURES**
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**OPTIONS**
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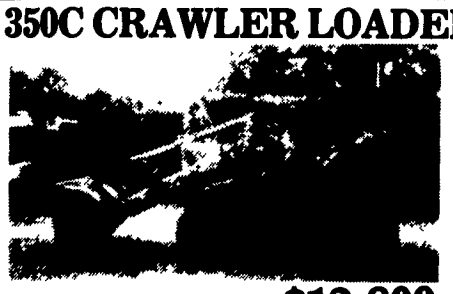
## JD 350C CRAWLER LOADER



**$12,800**

## CASE 1490 MFD

1981 Model w/1550 Hrs., New Clutch, All New Tires - 18.4x34 & 12.4x24, Dual Remotes, New Paint
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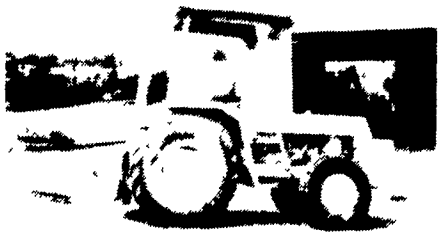
## *Price Reduced!* IH MODEL 7000 FORKLIFT



Gas Powered, Rough Terrain Forklift w/16.9x24 Tires, Hydrostatic Drive, 4,000 Lb. Lift, Approx. 11 Ft. Height
~~$8,850~~
NOW ONLY **$8,300**
OR BEST OFFER

**NOTICE: PRICE REDUCED**
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*You Won't Go Wrong With Heavy Duty Digging Power*

## 1975 680E EXTEND-A-HOE

- Clean
- Paint Good
- Good Air Brakes

*Reduced $1,000* ~~$16,800~~
BUY NOW FOR **$15,800**

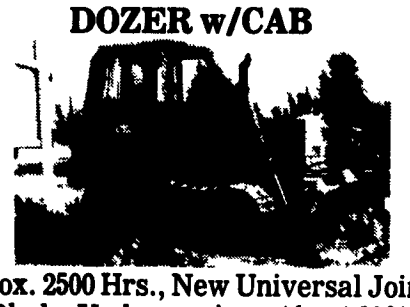
## CASE 1070 YELLOW MODEL

1970 Model, 18.4x38 Rear Tires, Power Shift, Front Wts. ~~$5,300~~
NOW ONLY... **$4,500**

## IH 1066, 1971

2600 Hrs., New T.A. 180 Hrs. Ago, Very Sound Tractor, Year-A-Round Cab, New 20.8x38 Rear Tires
REDUCED TO **$9,800**

## CASE 850B 1980 MODEL 6 WAY DOZER w/CAB



Approx. 2500 Hrs., New Universal Joints In Blade, Undercarriage About 80% - Rebuilt 400 Hrs. Ago, Ready For Work
ONLY **$19,800**
Runs Out Good - Must See To Appreciate!

## IH 2606 TRACTOR-LOADER BACKHOE

1969 Gas w/New Rear Tires, Good Motor/Hoe Tight, Reverser
**$6,900**

## AC MODEL 6060

63 HP, 528 Hrs., 4 Wheel Drive, 85% Tire Tread, Front Wts. LIKE NEW,
CASH .... **$11,800**

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**JD 310A**
1977 Models, 4 Cyl. Engines, Clean, Tight, Good Paint, 16.9x24 Tires

PRICED RIGHT AT..... **$15,900**

## 1979 IH 250A DIESEL LOADER BACKHOE

Was Owned By Municipality
Only 465 Actual Hrs., Power Shuttle Trans., 24" Trenching Bucket
**$13,800**

## 1980 CASE 585C DIESEL FORKLIFT

w/21½ Ft. Mast, Side Shifter, 48" Pallet Forks, Less Than 1400 Actual Hrs., Good Rubber
ONLY **$17,800**

## *3 TO CHOOSE FROM* CASE 580 C's

(1) Extend-a-hoe
(2) Standard Hoes
Late 1970's Models - Call For Price & More Details
PRICES FROM **$14,900** & UP

## LIKE NEW CASE 2090

*A Real Cream-Puff*

1981 Model w/Cab, Air, Heat, 680 Hrs., Weight Frame & Full Set Of Wts., 18.4x38 Rear Tires 75% Tread

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**$14,800**

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NI Hay Loader
NH Manure Spreader, ground driven
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AC 2-bottom plow, mechanical lift.
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JD 820 tractor w/JD 397 Mid-Mower
Farmall H & Super A
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NH 283, 271, 78 Balers, Come See - Make Offer
NH 469 Haybine
NH 36 Flail Chopper
NH 770 Harvester w/Hds.
Gehl Forage Blower, Nice Cond.
JD 894A Hay Rake, Good Cond.
Woods 80" Mowers, Pull or 3 Pt.
Ireco 4" Irrigation Pump w/Overhauled Wisc. Eng., Good Cond. - $1,800
JD 148 & 48 Loaders

**NEW EQUIPMENT**

NH 311, 316, 326 Balers, Throwers Avail.
JD 350 Mower
JD 327, 337 Balers w/Throwers
JD 670 Rake
JD 1219 Mower Cond.
JD 1327 Disc. Mower Cond. (A Real Buy!)
NH 472 Haybine
NH 489 Haybine
NH 258 Hay Rake
NH 451 Sickle Bar Mower
JD & Woods Rotary Mowers, Starting At $575
Kuhn Hay Tedders
Hardi Sprayers - Orchard & Field
JD & NH Manure Spreaders
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Wagon Gears - 5 to 12 Ton In Stock
Brillion 12' Cultimulcher

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Dunham 3 Bar 8 Tooth Chisel Plow Spring Loader 32" Shanks ... $1695
Dunham 8' & 10' Cultipackers... Special Prices

## USED EQUIPMENT

IH 37 Baler
NH 268 Baler
NH 310 Baler
(2) NH 315 SS Baler Exc.
NH 276 SS Baler
NH 28 Blower
NH 717 N2 Corn Head
NH 478 Haybine, Like New
NH 56 Rake
NH 258 Rake
NH 462 Disk Mower
Butler Oswalt 1830 Ensilmixer
Butler 280 Ensilmixer Stainless Steel Lined
Elect Controls for a 770 Harvester
IH 56 Blower
Case 4B Plow
NH 717 Harvester
NH 518 Spreader
NH 519 Spreader Hyd Endgate
NH 679 Spreader w/Hyd End Gate & Top Beater
NH 770 Harvester w/Electric Control, 2 Row Head and Corn Head.
NH 467 Haybine
JD 7000 Corn Planter 6 Row Narrow w/Monitor
Gehl 99 Blower
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### TRACTORS

Ford 1700 Diesel w/770 Ford Loader $4,850
MF 50 Gas, PS, Multi Power, $2,850
Int. 230 Gas, $1,350
NH 225 Hydrostatic Drive, Gas, Skid Loader, SOLD
Int. 756 Diesel w/3 Pt. and Torque, $5,450

### GRINDER MIXERS

NH 355 Grinder Mixer, $3,250

### TILLAGE EQUIPMENT

Int. #800 Cyclo Air Planter, 4 Row No-Till and Monitor, SOLD
White #253, 14' Wing Disc, $1,800
White #252, 13' Wing Disc, $1,500
Brady 1000, 10 Tooth, 3 Pt. Chisel Plow, $900
Farnam 7', 3 Pt. Pasture Renovator
Int. 510, 13 Disc w/Fertilizer Drill
JD 210, 13' Discs, $1,550
IH 510, 21 Disk Drill, $2,000
Oliver 4x16 Automatic Reset Plow, $1,650
Oliver 3x16 Automatic Reset Plow, $1,350

### HAY EQUIPMENT

NH 489 Haybine, $3,400
NH 489 Haybine, 1 Year Old, $4,500
NH 472, 7' Haybine, $2,850
NH 315 Baler w/Thrower, $4,500
NH 479 9' haybine, $2,200
Vermeer 605 Round Baler
NH 276 Baler w/#70 Thrower, $2,800
Grimm Hay Tedder, Nice, $650
JD 510 Ro SOLD aler, $3,200
NH 477 Haybine, 7', $2,200
NH 256 Ra SOLD ,250

### FORAGE EQUIPMENT

3 Int. 120 Wagons w/Roof
Dion 3 Beater Wagon, Tandem Axle, $3,200
NH 34, 5' Fl SOLD opper, Nice, $1,550
NH 27 Blower, $450
NH 6' Open End Pickup, Fits 770 Harvester, Sharp, $975
Colby 2 Beater Wagon, High Flotation Tires
Int. 51, 2 Be SOLD Vagon

### CORN PICKERS

NI 325 Narrow Row w/12 Row Husking Bed, $3,750
NH 325 Pick SOLD 2' Roll Bed, $4,500
NI 323 Corn Picker

**Horning's Farm Machinery**
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## USED FARM & LAWN EQUIPMENT

Kubota B 6100 w/Mower, 4WD
JD 14T Baler
Bush Hog 5' 3 Pt. Rotary Cutter
JD 16A Flail Chopper, Exc. Condition
Bazooka 56 Ft. 6" Transport Auger
Herd F160 3 Pt. Spin Spreader
Peco La-n Vacuums
(2) JD 160 Mid Mount Mowers for JD 650 & 750 Tractors
JD Tilt Dump Collection System For JD 420 - 430, Lawn & Garden Tractors
(3) JD 317, 17 HP Lawn & Garden Tractors
JD 400 Lawn & Garden Tractor, w/Mower & Front End Loader

### NEW EQUIPMENT IN STOCK

JD 2150 45 HP Tractor
JD 575 Diesel Skid Steer Loader
JD 25A Flail Mower
JD 1000 2 Btm. 3 Pt. Plow
Bush Hog 5 & 6 Ft. 3 Pt. Rotary Cutters (SAVE)
Bush Hog 1326 10½' Rotary Cutter
Hardi BNL-53 53 Gal. 3 Pt. Sprayer
JD F910 Front Mower w/60" Mower
List Price $9,504, Sale Price $7,150
32" JD Commercial Walk Behind Mower
List Price $2,295, Sale Price $1,795

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NH TWINE- 2700, 9000, 10,000 ft.- Price?

**NEW EQUIPMENT**- "Left-over" Prices

320 NH baler
667 Flail spreader
316 Baler w/thrower
80 NH Round bale carrier
Southeast round bale carrier & Hi-lift
Southeast crane and round bale feeder
250 Skid Loader
258 & 256 Rakes
Arps Blade

### USED RECONDITIONED EQUIPMENT

| | Was | Now |
|---|---|---|
| IH 56 Blower | $ 990. | $ 975. |
| NH #354 Grinder Mixer (nice) | 3150. | 2995. |
| NH #320 Baler w/thrower | 6250. | 5995. |
| NH S67 Baler, PTO, hitch chute | 590. | 575. |
| NH #67 Baler, PTO, hitch chute | 495. | 475. |
| NH #362 Flail tank spreader | 960. | 945. |
| NH #510 Spreader w/endgate | 675. | 650. |
| NH #30 Forage blower, 1000 RPM | 1550. | 1490. |
| NH #880 R2 F. Harvester head | 290. | 275. |
| NH #919 N3 F. Harvester head | 2650. | 2590. |
| AC WD tractor, plow, cult, blade | 1000. | 985. |
| 1-30 Ft. Farmec Bale Elevator | | 575. |
| 1 NH #782 Harvestor w/N-2 Corn Head | | |

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OMC
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Badger
NEW IDEA

## USED EQUIPMENT

### TRACTORS

IH 3288, cab, air, very nice
IH 886
IH 784
IH 504
IH 544 Gas
IH 560 G
IH 484
IH Hydro. 84 D
IH 674 D
IH 656 D
IH 560 D
IH B414 D
IH BN
IH H
IH M
IH 434
(3) MF 1105
MF 2675
MF 1080
JD 4010 D
JD B
JD 4620
JD 2840
Case 1070
Oliver 770 D
Farmall 200 w/Cult., Corn Planter, Fert. Mower, 2B Plow, 6' Blade, Wood Saw
(2) Cub

### CORN PICKERS

NI 324, 2RW
NI #10, 1R
NI 323, 1R
NI 300, 2R
NI 314, Sheller Attachment

### GRINDER MIXERS

OMC 117
IH 105
NH 357
JD 400

### COMBINES

IH 1480
IH 715
IH 1440
IH 303
IH 863, 6RN
Case 600
IH 843, 4RN
MF 300
IH 810-13
IH 1460
IH 820-16
IH 227, 2RN C H
IH 963, 6R C.H.
MF 410
MF #43, 4R

### HARROWS

IH 475, 12'
IH 37, 8'
IH 401, 12'
IH 47, 13'
BH 10'
JD KBA 8'
JD 12' BWF
IH 9A 9'
IH 470, 12'
Niemeyer 3 pt. 8' Power Harrow
Glencoe 12' Soil Finisher
9' Packer
Athens 131 Disk

### CULTIVATORS

JD 2R 3 pt
IH-C
IH 12½' Vibratine
Ferguson 2R 3 pt
IH 4R 3 pt
IH M
Oliver Rot Hoe

### BLOWERS

IH 56
Gehl 99
Dion 60
Papec 54
NH 30
Badger 98
Fox 660
Sprme 56
JD 860, 3 pt.
MH Table w/Pipe
Fox Table, PTO

### LOADERS

NI 506
IH 2050A
KW for IH 284

### SKID LOADERS

Hydro Mack 10
OMC 440
IH 4130, 850 hrs.

### HARVESTERS

IH 830
Fox 3000
IH 555
Fox 546
Gehl 600
Fox FA
Gehl 300 w/2RN
Papec 180
Fox 1000
Fox 2000
JD 2RW C H.

### MOWERS

IH 222
NH 450
Ford 5' Rotary
Woods 48" for MF 205
Bush Hog 60' 3 pt

### PLOWS

IH 311 3x14
IH 55 Chisel Plow
JD 345, 4x16
IH 550, 5x16
Ford 4x16
MF 3 pt. Chisel Plow
White 508 Plow, 4x16
Kasco 9' Chisel
BH 3 pt 52" Tiller
IH 710, 3x16
IH 450 3x16
AC 4x16

### NI UNI EQUIP.

702 D, ex.
729 A Shel.
761 Hay PU
727 Husk.
767 Har.
766 PU
710 Com
720, 2RW
844, 4RW
730, 4RW
735, 3RN
725, 3RN
702 D
737 Husking Bed, very nice

### GRAIN DRILLS

IH 10
IH 510, 16x7
IH 13x7, Steel Whls.
Tye 80 No-till
McConnell 16x7
JD FB
MF 33, 13x7
JD 15x7
IH 13x7 Steel Wheel

### WAGONS

Gehl 920, 16'
Gehl 910 Fg. Box
Gehl 710
Gehl 610, 14'
Grove 16'
Couhoun 620, 16'
Cobey Rear Unloading 16',18' Bale Wagon
NH #8, 16'
Coby 14'
IH 120, 16'
IH 110
Turnco Gravity Box
Bale Wagons
IH 105
JD 122
Badger 14' Forage
Badger 16' Forage

### FLAIL CHOPPERS

Gehl 7200
Brady 722
Gehl 72
JD 16A
IH 5
Brady 121

### MANURE SPREADERS

NI 212
NH 676 S
NI 213
NH 365
NI 214
NH 790
NI 218
Hawk Bilt 207
NI 224
HB 257
IH 550
HB 357
IH 595
Star 930
Better Bilt 2600 Gal Liq Manure Tank
Hesston 1400 gal. Liq
Clay 800 gal. Vacuum

### WINDROWERS

IH 1190
OMC 229
IH 990
Gehl 108
IH 225
Gehl 440
NI 290
AC 904
NH 1469 SP
NI 272, 7' Cutditioner
NI 279, 9' Cutditioner
OMC 700 SP 101
NI 270 Cutditioner
Hesston 1214 Swing Tongue

### COMING IN .

JD 3940 Forage Harvester w/2RN & Hay Pickup
6', 3 pt blade
IH 203 Combine
Fox 546 Harvester
2RW Corn Head
2RN Corn Head
Cutter Bar
Case 1537 Skid Loader
NI 760 Forage Harvester
Badger 16' 3 Beater Wagon, Tandem Gear, nice
IH 806 Gas Tractor
JD 2010 Gas

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NH 770 Forage Harvester w/single row head, good condition, field ready, $3500. or best offer. 717-334-2867

NH 818 harvester, 2 row corn head, in A1 shape, $900. 215-926-5861

NH forage harvester, model 717 single row corn head Used only 10 hours, in new condition, $4,500 or best offer Call 609-845-2800 from 8:00 AM to 5:00 PM or 609-451-0573 after 5:00 PM

NH 469 haybine, JD 37 sickle bar mower, Huskee 32' bale elevator; Little Giant 34' grain elevator 717 225-1855

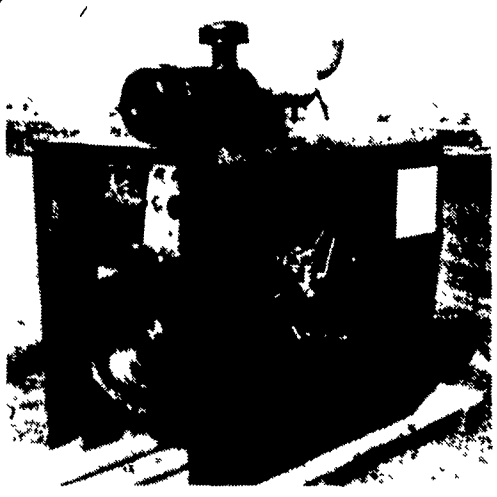
Peerless roller mill w/ blower for high moisture corn. 717 569-0729

NH [illegible] $675 [illegible] grain bin $425, NH 456 trailer mower, $975, NH 32 flail chopper, $675 717-354-0266

Post Hole Digger $100 301 371-6981

NH 880 2-RW corn NH 880-W pickup VG condition 665 4743

Vermeer 275 discbine, 9' demo, $7,200 412-423-4076

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NEW QD100 POWER UNIT
88 H.P. at 2800 RPM

*Complete As Shown* **$3,800**

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**Dismantling Combines for parts over 400 all makes and models Call before you come.**

**All Combines Sold— free parts for one season if in our parts lot.**

IH. 915, 815, 315, 205, 203, 503, 403, 303, 93, 91, 151, 101, 141, 127, 125, 82, 76, 74. JD 6600, 4400, 105, 95, 55, 45, 40, 30, 25, 12A. MF 510, 410, 300, 35, 92, 82, 72, 90, 80, 70, 60, 27, 26. AC. Gleaner, F, L, M, K, G, E, C, C2, A, 60, 66. Oliver 545, 535, 430, 40, 35, 33, pull type NI: Uni 710 Combine, Huskers, 705, 702, 701, Combine shellers & harvesters Ford. 622, 630, pull type. Case. 960, 660, 600. NH 975, 985 NM 5297, MM Uni, White 8600, Massey 750D, Straw Spreaders & Choppers

**COMBINES**

Massey 82 w/grain & 2R corn
Massey 72 w/grain
MF 760 6 cyl turbo w/grain & 6R 30" corn, $14,500
Massey 410 dsl quick tach, cab & air
Massey 410 w/4R corn & grain head $2850
2 C-2 Gleaners w/4RW for 4RN & grain head
Gleaner G, gas w/4R & grain head, $5,000
IH 403 w/4R & grain head $3000.
Case 600 w/10' grain
MF 410 w/grain & 4R 30" corn, $4750
JD 6600 diesel, hydro, rotary screen
JD 6600 diesel, gear drive
JD 7700 diesel, hydro w/rigid grain head, $7,950
JD 4400 diesel w/rigid grain head, $7,500
JD 55 w/2R & grain, $2850
(2) JD 45 squareback w/10' grain & 2R corn, $3875
2 JD 45 roundback w/10' grain & 2R corn, $2250
For JD 4400, 6600 & 7700 combines, we have 3 JD flex heads & rigid heads. 4R wide, 4R narrow, & 6R narrow, prices depend on heads, you pick
IH 915 diesel, turbo, hydro w/grain & 4 or 6R head
IH 715 duals, 4R & grain
IH 403 hydro w/4R 30" & grain, $5500
IH 105 w/10' & 2R corn, $2500
IH 93 w/10' SOLD $2,000
MF 510 diesel quick tach w/grain, $5500

We have 4R 30" & 4R 38" corn heads for MF 510 & 410.
Gleaner M diesel w/grain, 4R, 38" & 4R 30" corn, $11,500
Gleaner E3, grain & 2R, new motor, $5500
Case 660 dsl, grain, 2R or 3, SOLD
Case 600 w/cab & 10' grain head

**HAYBINES & RAKES**

IH 990 9', $1375
JD 1209 9', $2,450
NI Rotobar Rake, $850
3 JD Rotobar Rakes, $450 to $675.
Gehl 9', $875
Hesston 9' self-propelled, $2200
IH Wheel Rake, $625
JD Rake
NH 489 $3500
NH 474, 7', $3750
NH 256 Rake, $1250
Hesston 10' Hydro-swing, center pivot hitch, $2850
IH Rake w/front dolley wheel, $785
NH 477, 7', $2150

**WIDE FRONT ENDS**

AC C
Farmall H & M
IH 340
Massey 101, 30 & 33
AC D17
WD 45
WD
Farmall C or Super C, 200 & 230
Ford 6000 WFE

**CORN HEADS**

2, 3, 4, and 6 Rows

**PLOWS**

(15) From 2-7 Bottom

New 3 Pt. Equipment

**SPREADERS**

NH tank w/hyd. lid
4 NI 213 PTO's
IH 225 bushel, PTO, $500

**CORN PICKERS**

1&2 Rows Pull Type & mounted. Also, 50 for parts

**MISC.**

6 Gravity Boxes
Badger 3 btr. forage wagon w/roof
IH fast hitch balanced head mower
Pull type road grader
Sickle bar mowers, 3 pt semi & trailer types
Hay Balers, with or without throwers, $300 & up
IH Loaders to fit C, Super C, 200, 230, H, M, 300, 350 & 300 & 350 utilities
Ferg. loader w/hyd. bucket & front pump $650
12 Tooth Trailer type chisel plow

**FORAGE HARVESTERS**

NH 717 or Super 717 2RN Cornhead
IH #5 Flail Chopper
IH 55 w/SOLD ick-up head
NH self propelled w/2R & pickup head
IH 830 3R corn & p u head
IH #8 flail chopper
IH 720 w/2R, 30" & p u head, used 3 yrs, always kept in A-1 cond
AC 720 2RN & pickup $750
JD 34 1R & pickup $875

**ALL WITH LOADERS**

Farmall Super C $1,675
JD 450 Crawler loader, $8,950
Farmall M w/PS $1,850

**GRAIN HEADS**

8, 10, 11, 12, 13, 14 & 15'

**ROTARY MOWERS**

3 pt. 6,7 & 8'
Also pull types.

**DISC HARROWS**

8,10,12 & 14' Wheel Disc
3 pt 7'
7 & 8' drag discs

**TRACTORS**

Farmall C w/Kelly loader $975
Farmall H, $750
Farmall H, $875
Farmall 400 gas, fast hitch & power steering
AC D-19 Dsl. w/WF, as is
AC C w/Woods belly mower $1200
Farmall M w/WF $1100
IH 706 dsl, good shape
IH 340 w/PS, fast hitch
IH 1066 Dsl, cab, dual PTO, 3760 hrs w/complete motor overhaul, rebuilt injector pump, new oil pump, will show bills, $9500
Farmall Super M w/WF
IH 1206 Diesel, WF & big rubber, $4950
Farmall C, real nice, $950
Ford 3000 Diesel, $4000
Farmall Super C w/hyd & pulley $975
Massey 1080 D, $5200
IH 340 w/fast hitch
Ford 6000 Diesel $2475
Massey Pony Pacer w/1R cult & 1 btm plow $1250
Ferg 30 w/3 pt
Farmall 560 Diesel $2850
Ford 900, P/S, real clean
AC D17 Diesel snap coupler
IH B504 High Crop

**DISMANTLING TRACTORS FOR PARTS**
**Harvesters and Corn Heads for Parts**

IH 1256, 666 Hydro, 806, 706, 660, 656, 560, 504, 404, 460, 450, 400, 350, 300, 340, 240, 230, 200, MTA, M, H, C, BN, A, Cub, F30, F20, F14, F12 JD 4010, 3010, 2010, 720 D, 70, 60, 50, A, B AC 180, D17, WD, WC, CA, C, B. MF 1155, 90, 85 444, 333, 44, 33, 30, 20 Case 400, 300, DC, SC, VAC Ford 6000, 4000D, 860, 800, 8N, 9N Oliver 1800, 88, 77, 70, 60 Crawler D2 Cat & Oliver

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20 mi. north of Hbg.
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Dismantling 50 pickers for parts
POSITIVELY NO OUT OF STATE PERSONAL CHECKS



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**NEW EQUIPMENT**

234 2WD
244, 2WD
475 disc, 17'5"
370 disc, 11'6"
800 Cyclo planters, 4R
IH 5500 mtd chisel plow, 9'
IH 5100 Grain Drill, 20x6

**USED EQUIPMENT**

154 LoBoy w/Mower, Well Maintained
NH 276 Baler w/Thrower, Nice Waiver Til 1/1/87
IH #8 Crop Chopper Good Condition

6 'x60' Auger Coming In
IH 45 Baler
Case 230 Baler
IH 384
IH 1456 w/cab
IH 1256 Tractor
500 Crawler R/C
666 Farmall G
Farmall H
Farmall C
Farmall SC w/Cults
IH 800 Cyclo Planter, 4R
IH 642 4-Btm Rollover
IH 490 Folding Disc, 24'
Haines bulk bodies
Massey Harris drill 16x7
Potato planters
#475 Disk 17' 5" 22" Notch Discs Used One Season
IH 710 3 Btm Auto Trip Plow, excel cond
IH forage blower
Holland transplanter
IH 4 btm semi-mtd plow
Haines Stone Pickers
(2) IH 234 Corn Pickers
IH 1150 Grinder-Mixer
IH 456 Corn Planters
IH 400 Cyclo Planter
JD Plateless Planter
Int #16 Forage Harvester

case IH

New Cash Deals, Low Rate Financing or Waiver of Finance

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Since 1949



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**ZIMMERMAN PORTABLE ELEVATORS**
28', 32', 36', 40', 44' & 48'

**BEHLEN CORN CRIBS**
- 961 Bu..... $895
- 1205 Bu..... $1,035



**WISCONSIN ENGINES**
**SALES & SERVICE**

NEW HESSTON MODEL 1071
7 FT. MOWER-CONDITIONER

**USED EQUIPMENT**

- NH 456 Mower, Used
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- MC 7E Rotary Scythe ..... $1250.00
- IH 1150 Grinder Mixer, 1000 RPM, Good ..... $1400.00
- Gehl 800 Harvester w/Silage Table .. $2400.00

**USED TRACTORS**

- Case 930 Comfort King 3 Pt. .... $3800.00
- IH 560 Gas, W.F. w/Pulley... $2650.00
- AC XT190 Diesel w/Pulley. .... $4950.00
- IH 806D ..... $4850.00
- AC D19 Gas ..... $2600.00
- Case 930 Comfort King w/Steel Wheels & Pulley ..... $4950.00
- Case 1030 Comfort King ..... $3500.00
- AC D19 w/Pulley ..... $3400.00
- MF 135 ..... $3950.00
- Cub w/Rotary Mower ..... $2300.00

AVCO VM Diesel

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**SHEETS BROS.**
**1061 Carlisle St.**
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**717-632-3660**

***Zetors Tractor***
43 HP 2 Wheel
43 HP 4 Wheel w/Loader, under $15,000
54 HP 4 Wheel
108 HP 4 Wheel, under $30,000

NH 320 Baler, $1,000 OFF
NH 488 & 489 Haybines, $600 OFF
NH 30 and 40 Blowers, $500 OFF
NH 311 Balers
NH 353 Grinder Mixer
White 256 Disk
OMC 342 Skid Loader
Used 855 Grinder Mixer
Used #5 Oliver Picker
Used NH 36 Harvester



NEW HOLLAND

**NEW EQUIPMENT SPECIALS**

JD 1219 Haybine, $7,650
JD 337 Baler, $7,675
JD 716A Forage Wagon, $6,450
JD 1600 Spring Reset 4 Bottom Plow $4,700
JD 8250 Grain Drill, 14x7, $4,100
JD 235 Disk Harrow, 17'1"
JD 215 Disk Harrow, 12'
JD 2950, 2WD Tractor
JD 4250, 2WD Tractor
NH L250 Skid Steer Loader
NH L455 Skid Steer Loader

**USED EQUIPMENT**

MF 760 Combine w/V8 Engine, 6RN, 17' Grain Platform $28,000
IH 1026D, Hydro, 112 HP w/Loader $7,900
JD 4230 Tractor, new engine, PS, excellent condition $14,500
JD 6 Cyl. Gasoline Power Unit, Just Overhauled, $2,000
Century 6R Sprayer, 3 Pth, $850
JD 1508, 15' Cut Folding Wing Mower, Like New, $7,500
IH 656 Tractor w/Loader, $6,500
Ford 3400 w/Loader, $6,500
Cub LoBoy w/Implements, $2,200
NH 846 Round Baler, $3,900
NH 320 Baler w/70 Thrower, $8,200
JD 444 Corn Head, $4,500
NH 495 Haybine, 12', $4,500
Grimm Tedder, $675
Kuhn GMD66 6 Disc Mower, $2,500

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**M.S. YEARSLEY & SONS, INC.**

110-120 E Market St
West Chester, Pa 19380
**215-696-2990**

NH 311 baler w/hitch and chute, new but shop worn, $5,450. 215-298-2011.

NH 316 hay baler, automatic throw, 1985, never been used 301-376-3733 or 301-376-3632 after 6PM.

JD 4020, 3800 hours, WFE, p/shift, lock diff, dual hyd., solid tractor, should see $7500 Chester Co., 215-932-2508

JD 4020, 68 model, 38" rubber, $5,750 814-793-4293

JD 4020 diesel with 5 bottom plow, new rubber, A1 shape, $7,500 201-735-8875 Days, 201-479-4578 after 7 p m

JD 4020, side console, original paint, $6,750 814-793-4293

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New and Used Parts Available for Cat, Allis Chalmers, IHC, Case, John Deere and others
Rubber tired construction equipment parts available for Hough, Michigan, Galion and Cat Road Graders
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Phone 215-699-3533

JD 4030 [illegible] real chain 814-793-4293

JD 4250, MFWD, PS, cab, air, big tires, low hours, Rhino 200 double offset disc harrow, very heavy duty, cut 10', JD rotary hoe, model 400, 15', Brillion pull type chisel plow, 10' Buster Bar All in top condition and fairly priced Call Evenings, Sheaffer 301-778-0185

JD 4320, dual hydraulics, 38" rubber, 117 hp. 814-793-4293

JD 4430 tractor, cab, air, 18.4x38 tires, dual outlets, nice, $9,850 Call 301-733-2195

JD 444 corn head, very good condition, $4,000. Firm. Huntingdon Co 814-632-7291

New Holland 1-row corn harvester, good condition, $300 Call 215-286-5694

JD 450 crawler loader, $8,500. 717-469-0691 daily, 717-838-1888 eves.

MF
Massey Ferguson

MF 1150 Tractor (New Paint)
(2) MH Pony Tractors
Super A, 60" Mower
Ford 501 3 pt. Mower
NH 516 Spreader
IH Grain Drill
Herd 3 pt. Fert Spreader
NH 69 Baler w/Thrower
IH 37 Baler w/Thrower
Hesston PT10 Mower Conditioner
NH 469 Haybine
NH 25 Blower
Case 5B 16" Plow
JD 4x14 Mtd. Plow
NH 822 Corn Head
Brillion 24' Field Harrow
MF 205 Combine
Gehl 600 D Harv. w/2 Heads SOLD
Fox Blower
Gehl Blower
Kasten 14' Forage Box
Grove [illegible]ge Box & Gear SOLD
NH S23 Blower
Farm Hand Flail Tank Spreader

NEW HOLLAND

**SCHREFFLER EQUIPMENT**
Pitman, PA
717-648-1120
717-648-1811

## USED TRACTORS

| | |
|---|---|
| JD 4040 w/Cab | IH 986 |
| JD 3020 | Case 1210 w/4WD & Loader |
| AC 6080 | Case 730 |
| AC 7040 | AC 7045 |
| AC 7030 | AC 7045 w/4WD |
| AC D21 | AC 6040 |
| AC 200 w/Cab | |

## USED COMBINES

AC M2 4 Row Head 15' Platform
AC F2
MF 300 13 ft. Platform & Cab
JD 6620 Side Hill 6 Row Corn Head, 15' Platform
AC Model E 12 Ft. Platform
IH 203 10 Ft. Platform

## USED PLOWS

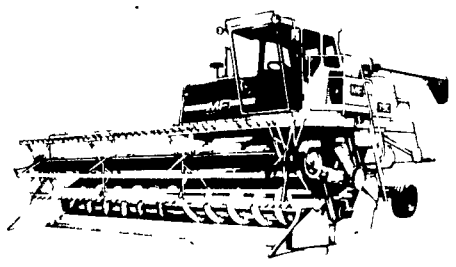
| | |
|---|---|
| White 6BT | JD 4BT |
| Oliver 6BT | 2 Chisel Plows |
| IH 5BT | JD 3BT |

## PLANTERS

JD 7000 Conservation 8 Row
JD 494A 4R
AC 300 2R
JD 8300 Grain Drill

**SPECIAL SAVINGS ON ALL NEW & USED FARM EQUIPMENT PLUS FREE FINANCE UNTIL USE SEASON**

**UNIONTOWN FARM EQUIPMENT**
Box 1030 Rt. 119N
Uniontown, PA 15401
Call 412-437-9851



MF 750 Combine w/heads
MF 760 Combine w/heads
6.9% Financing For 48 months

## NEW EQUIPMENT

MF 1010 4WD Tractor, ag
MF 220 Baler
MF 224 Baler
MF 212 Bale Thrower
Hay Rakes
MF 925 Haybine 9'
Hay Tedders
MF 1144 corn head

**Specials On All Hay Equip. In Stock**

## USED EQUIPMENT

NH 775 Skid Steer Loader w/30" Caretree digger, $12,500

**Low Financing Available**

Radio Dispatched Service
Renting skid steer loaders.
We service all makes of equipment

**ABRACZINSKAS Farm Equipment, Inc.**
MF Massey Ferguson Your Business Machines
RD1, Catawissa, PA.
717-356-2323
(south on Rt. 42)

NEW HOLLAND
DEUTZ ALLIS

*Tanaka Chain Saws & Weed Cutters*

## NEW EQUIPMENT

AC 8030, 2 WD, Full Warranty, Demo 50% Off List Price

NH 791 Manure Spreader w/Endgate
NH 795 Manure Spreader w/Top Beater & Endgate
NH #28 Blower
Grimm 8' Tedder
Deutz Allis 6080, 2 WD, $17,150
Deutz Allis 6140, 4 WD, $12,600
NH 326 Baler w/#70 Thrower
NH 900 Forage Harvester

## USED EQUIPMENT

AC 5050 Tractor
AC CA
AC 190 XT
Farmall Hydro 70 Tractor
Newfield 465 Tractor
NH 358 Grinder Mixer, Like New
NH 479 Haybine
NH 276 Baler w/Thrower
JD 336 Baler w/#30 Thrower
IH 46 Baler
MM 4B 16" Fully Mounted Plow
AC B w/Cultivator
(2) NH #30 Blower
IH 56 Blower
IH 51 Forage Wagon
AC Pitmanless 3 PTH Mower
NH 256 Rake w/Rubber Teeth

**Farm & Lawn Equipment**

**BHM FARM EQUIPMENT, INC**
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SAVE UP TO
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60

**Case IH Bone Dry Charged Batteries**

Now you can get a truly fresh battery for less During our Battery Blitz Sale, you'll find the Case IH Bone Dry Charged battery you need at Parts Value of the Month prices! It's specially dried at the factory, so there's not one drop of electrolyte in it until you buy it and activate it. You get instant activation and a truly fresh start

12-volt for most late model cars
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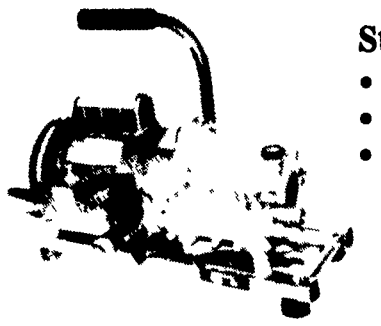
# CAM SPRAY
## HI PRESSURE WASHERS



**Standard Features:**
- Triple Piston Pump
- Trigger Activated Gun
- Adjustable Pressure
- Controls Disinfecting Soap From Gun (except 1000 lb. model)

| 1000 LB. MODEL | 1500 LB. MODEL | 2000 LB. MODEL |
|---|---|---|
| • 1.5 HP Elec. T.E.M. | • 5 HP B & S Engine | • 4.5 GPM |
| • TriggerWand | • 3.2 GPM | • 5 HP Elec. or 8 HP Honda |
| • 2.5 GPM | • 40 Ft. Hose & Trigger Wand | • Hi-Tech Gun w/Pinpoint Tip |
| List $629.99 | List $799.89 | List $1,699.95 |
| ONLY $459 | ONLY $535 | ONLY $1,389 |

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(No ROPS)

One Only

Air Conditioning,
16 Speed Power Shift TA, 540 & 1000 PTO, 72.9 HP

**$17,900**

8.8% Financing OR Waiver Till May 1, 1987 OR **$950 CASH REBATE**

## PROTECTS ITSELF IN YOUR ROCKY FIELDS!

**Case International 475 & 496 Cushion Gang Disk Harrows**

- **CASE IH MODEL 475, 12 Ft.**
  Reg. $7,500 SALE $4,950
  Waiver of Finance till July 1, 1987
  OR PAY CASH & DEDUCT $350

One Only **SELLING PRICE $4,600**

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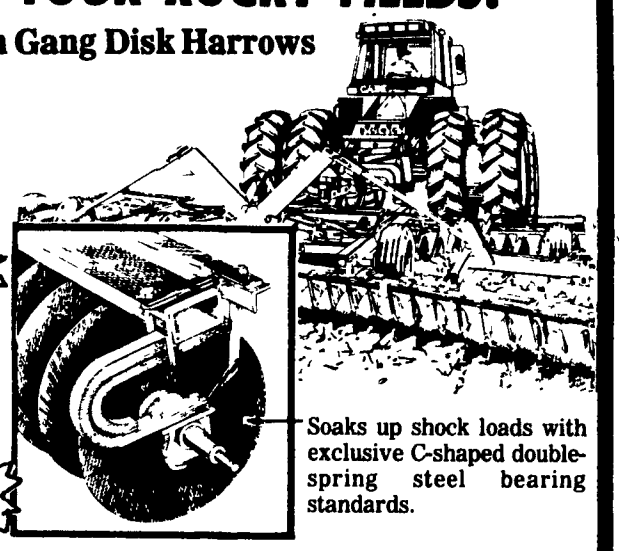
  Reg. $14,500 SALE $9,850
  Waiver of Finance till July 1, 1987
  OR PAY CASH & DEDUCT $855

One Only **SELLING PRICE $8,995**



Soaks up shock loads with exclusive C-shaped double-spring steel bearing standards.

## NEW CASE IH PROGRAM

5% APR Financing
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OR
Extra Cash Discounts

## USED MODEL 600 BLOWER

Excellent Condition, Like New

Waiver of Finance till Jan. 1, 1987

ONLY $2150

**See the CASE IH Display At AG PROGRESS DAYS**

## GOOD CLEAN USED EQUIPMENT

**TILLAGE**
- 7 Tooth Glencoe Soil Saver Ex
- JD KBA 10 Ft Transport Disk Harrow
- IH 370 Disk 12 Ft
- MF Hyd Wing Fold Disc Harrow 19 Ft Ex Condition
- IH 700 Plow 4 Bottom 16 Semi-Mt
- JD 12 Ft Cultimulcher
- Case 8 Ft Disc Harrow

**TRACTORS**
- IH 350 Fast Hitch
- Farmall 300
- IH 340 w/Loader
- IH 966 w/Cab, Ex Condition
- Ford 800 w/3 Pt Hitch Power Steering

**SPREADERS & GRINDER MIXERS**
- NH 513 Spreader w/Hyd Gate
- NH 362 Tank Spreader Excellent
- Tandem Axle Starline Tank Spreader, Excellent
- Better-Bilt 32 Gal Liquid Tank

**HAY & FORAGE**
- IH 555 Forage Harvester w/Cornhead & Pickup Attachment
- NH 880 w/Pickup Attachment
- IH #40 Shredder 4 Row
- NH 2 Row Snapper 30" Rows
- IH 37 Baler
- NH 269 Baler w/Thrower
- 18 Ft Hay Rack Wagon
- NH 67 Baler w/Chute, Nice
- Harvest Handler 16 Ft Grain Elevator
- NH 770 Harvester w/2 Row Cornhead & Pickup Attachment
- Grove 8 Ton Gear
- NH 479 Haybine

**SKID LOADERS**
- NH L775 Skid Loader w/66" Bucket & Backhoe
- NH 775 Loader w/Bucket
- NH L225 Skid Loader w/Bucket
- N H L785 Skid Loader Demo Unit One Only, Call For Details

**PLANTING & SEEDING**
- IH 400 Planter, 6 Row, w/Dry Fert
- AC Grain Drill • Ontario Drill

**MISCELLANEOUS**
- 1 Pr Dual Wheels & Tires 31x5 15-x15 8 Ply
- 1 Pr Dual Wheels & Tires, 18 4x26 6 Ply
- NH 320 Baler w/70 Thrower
- NH 27 Blower
- NH 469 Haybine
- NH 24 Ft. Elevator
- NH 258 Rake w/Dolly Wheels, Used 1 Season
- IH 56 Blower
- NI 219 Cut-Ditioner 9 Ft.
- NH 489 Haybine
- N.H. 56 Hay Rake
- Gehl 99 Twin Blower, Ex. Condition

FREE FINANCING TILL JAN. 1, 1987

ATTENTION FARMERS: If Parts Are Needed After Hours To Keep You Going, Call Jay Gainer, Our Parts Mgr. At Home 653-2238.

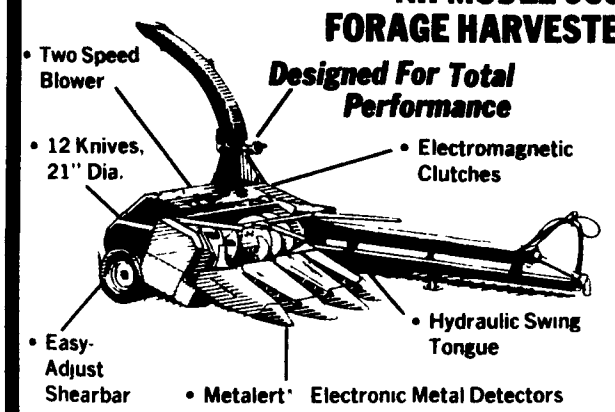
NEW HOLLAND

# YOUR FORAGE HEADQUARTERS

After the sale . . . it's the service that counts!

## NH MODEL 900 FORAGE HARVESTER

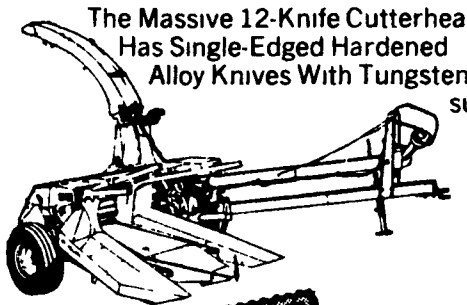
*Designed For Total Performance*



- Two Speed Blower
- 12 Knives, 21" Dia.
- Electromagnetic Clutches
- Hydraulic Swing Tongue
- Easy-Adjust Shearbar
- Metalert® Electronic Metal Detectors

## THE NEW NH MODEL 790 FORAGE HARVESTER

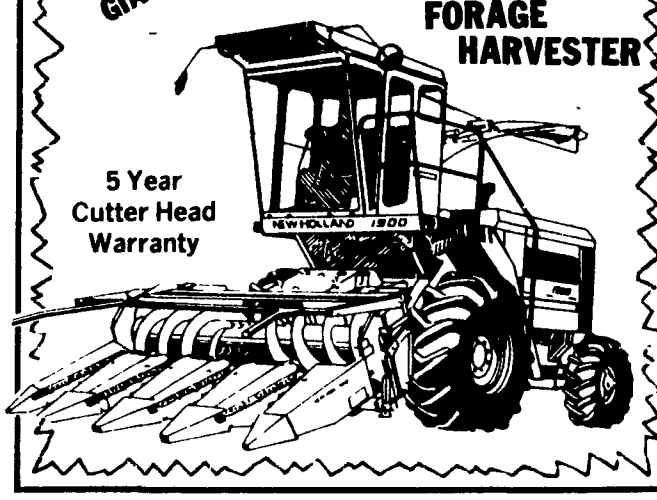
The Massive 12-Knife Cutterhead Has Single-Edged Hardened Alloy Knives With Tungsten surfaces.



## NEW HOLLAND 1900 FORAGE HARVESTER

A NEW GIANT

5 Year Cutter Head Warranty



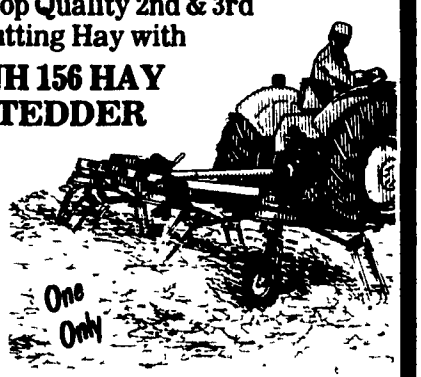
See the NEW HOLLAND Display AT AG PROGRESS DAYS

Make Top Quality 2nd & 3rd Cutting Hay with

## NH 156 HAY TEDDER

Selling Our Demo Unit
$1,250
Pay Cash Deduct $100

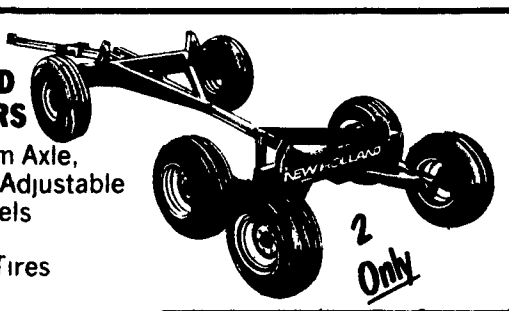
One Only



## NEW HOLLAND RUNNING GEARS

Model 238, Tandem Axle, 12 Ton, w/Heavy Duty Adjustable Tongue & Wheels

**$989** Ea., Less Tires



2 Only

## NH L455 SKID LOADER

No Better Time To Buy Than Today With New Holland Programs

0% FINANCING FOR 12 MONTHS ON ALL NEW HOLLAND EQUIPMENT

- **FREE Finance Till March 1, 1987**
- 0% For 12 Months
- 5.9% For 24 Months
- 8.9% For 48 Months

PLUS

**Pay Cash And Get Big Rebates Up To $3000**

**FREE FINANCING On Used Equipment Till Jan. 1, 1987**

# MESSICK FARM EQUIPMENT, INC.

RHEEMS EXIT – RT 283, ELIZABETHTOWN, PA
PHONE: 717-367-1319, 653-8867
TOLL FREE IN PA. 1-800-222-3373
WARREN SPICKLER – HOME 653-4560
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VISA

Ontario 14 ho grain drill, ready for field. Can deliver $750 717-732-2711

Nine shank Buckley Wheelback digger disk. $3,500 703-721-2150 or 721-2643 eves.

Schwartz 750 Mixer Wagon, $2500. 717-872-4450 or 717-872-2659.

NH Super 717 Forage Harvester, single row, excellent condition, field ready. 717-653-4845.

**Int'l 240 Farmall, 3 Pt.**

**$1,195**

**MANOR EQUIPMENT, INC.**
Sinking Spring, PA
**215/678-0828**

## USED EQUIPMENT

Disk Harrows
Grain Drills
4 Bt. 2 Pt. Hitch Plow
Farmall 656
AC 7000

Used Combines
IH 1066
IH 58 6 R Corn Planter
IH 284

**Norman Bright Inc.**
45 Evergreen Road New Egypt, N.J.
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## BUTLER LIQUID MANURE SPREADER

**MODEL 3300 (Old Style)**
3300 Gallon Capacity

*Ready To Go* With Injectors . . . . . **$12,500**
CALL TODAY

**Sollenberger Silos Corp.**
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Box N
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*A Producer of Quality Concrete Products Since 1923*

**Massey-Ferguson**
Where farmers' ideas take root.

### NEW TRACTORS:

MF 1010 2WD
MF 1010 2WD HST
MF 1010 4WD HST
MF 298
MF 3525 4WD
MF 3545 4WD

### USED TRACTORS:

Case VAC
Case 1070, $10,750
Satoh 650-G w/Loader, $4,800

### NEW COMBINES:

6.9% 60 Months Or
Waiver Till 9-1-87
MF 860 V8 Hydro
MF 850 6 Cyl. Turbo Hydro

### USED COMBINES:

6.9% 48 Months or 12 Month Waiver
On Certain Units

MF 750 . . . . . $19,700
MF 750 w/H SOLD . . . . . $12,700
MF 510 . . . . . $13,750
MF 510 . . . . . $7,895
MF 510 . . . . . $1,995
NH 1400 4 Row CH 13' Table . $15,700
WT 8800 w/13' Bean Hd. . . . . $8,800
NH 975 Corn & Grain Table . . . . $4,800
IH 303 w/Grain Tab. . . . . $1,475
OL 545 2 Row Corn 11' Table . . $3,500
MM 3496 (for parts). . . . . $975
MF 13' Tables 4 & 6 Row Corn Heads

### NEW IMPLEMENTS Etc.:

MF 820 Disc
MF Loaders
MF 530 Rotary Disc Mower
MF 424 Grain Drills
MF 427 No Till Grain Drill
MF 721 Manure Spreader
MF 724 Manure Spreader
MF 233 Disc
Pittsburg, UFT, Trailblazer 5' & 6' Rotary Mowers
FOX/BRADY 4310 Forage Harv. w/Heads
Brady 3240 Field Cultivator
GT 580 Grain Dryer (2)
DIXON MOWERS Model 310 & 426
GRASSHOPPER MOWER Model 1622

### USED FORAGE

Field Queen 1412-S, 3208 Cat, 2,152 Hours w/3-N Corn Head, Hay Pickup, 13' Direct Cut Head
JD 56 Blower
JD 216 Forage Wagon, Tandem
(2) MF 16' Forage Wagons, Tandem

WE ACCEPT: PACE, AMERICAN EXPRESS, DISCOVER, CHOICE, VISA-MASTERCARD
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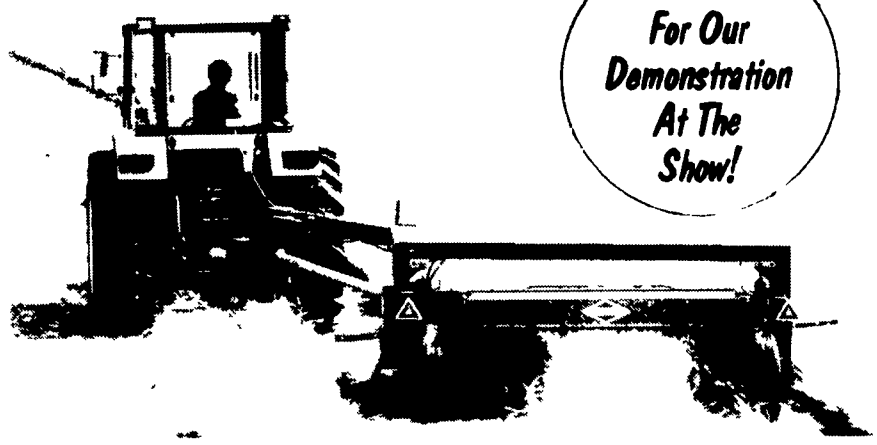
Located 6 Miles South of York take 616 South from Route 30 or 214 west from Route 83 Exit 2



*Watch For Our Demonstration At The Show!*

## KUHN DISC MOWER CONDITIONERS

FC 250 3 pt. and swivel hitch, 8'2" conditioner
FC 300 Tow model, 10'. Also available with swivel hitch

## Kuhn Tillers

### Built Tough To Last

Right through the line—from the smallest with 30-inch working width to the largest 120-inch model—Kuhn tillers are engineered for durability and efficiency Durable so they won t break down under heavy going or long hours Efficient so they operate smoothly don t clog do a thorough job of aerating topsoil and blending in residues

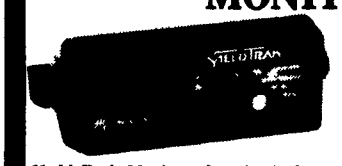
Wear-resistant heavy-duty blades penetrate soil cleanly are faced outwards to prevent clogging Side plates designed to prevent soil ejection from the sides of the rotor housing and solid support is provided at each side of the cover Full width tillage Completely enclosed drive shaft to the precision heat-treated gears and a heavy-duty gearbox to resist shock loads and wear Gearbox construction—with no chains or belts—provides a unit that is practically maintenance free

Front mounted guide wheels as standard equipment (skids available as optional equipment) give precise depth control and maneuverability

**Whatever your tilling needs . call on Kuhn** to turn under crop residues clean stubble rejuvenate grassland or provide good soil aeration and irrigation in orchards vineyards market gardens landscaping or for large homeowners Six complete tiller series with efficient power needs of as little as 12 to 35 h p up to 140 tractor h p for the largest models

For More Information Contact

## YIELDTRACK™ HARVEST MONITOR



*Low Cost - Easy-To-Use Accurate yield measurement with each tank unloaded.*

Yield Trak Monitors four basic functions. ground speed, acres harvested, bushels per acre and total bushels harvested The bushels per acre function is divided into two counters with independent resets, so you can pinpoint yields with each tank-full or measure an entire field.

## SOUTHEAST TRAILERS

## DUMP & CARRY CART

- Estates
- Farms
- Horse Barns
- Golf Courses
- Parks
- Nurseries
- Cemeteries
- Municipalities
- Institutions

B.R.O.T. Manufacturing Inc.

| MODEL | BRAKE AXLE | HITCH TYPE | DECK WIDTH | DECK LENGTH | DECK HEIGHT | OVERALL LENGTH | DECK MATERIAL | TIRE SIZE | CAPACITY | WEIGHT | COLOR |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TT12 | 1 (electric) | 2" Ball | 76" | 12' | 19" | 18'5" | 2" Pine (Treated) | 7.00x14 5 | 4000 lbs | 1050 lbs. | SAFETY YELLOW |
| TT14 | 2 (electric) | 2 5/16" Ball | 76" | 14' | 19" | 20'5" | 2" Pine (Treated) | 7 00x14.5 | 10,000 lbs. | 1500 lbs | SAFETY YELLOW |
| TT16 | 2 (electric) | 2 5/16" Ball | 76" | 16' | 19" | 22'5" | 2" Pine (Treated) | 7.00x14 5 | 12,000 lbs. | 1623 lbs | SAFETY YELLOW |

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Bill August
860 Pheasant Dr. N.
Carlisle, PA 17013
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Dean Jones
5117 McCandless Rd.
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NH 478 Haybine, sharp, $2,200. 301-833-9091.

NH 489 haybine, excellent condition; Pequa PTO driven hay tedder; 32' Farmec elevator 301-833-4773

NH 717 2 R narrow corn head 717-665-4743

Int. 856, original paint, dual hydraulics, 38" rubber, excellent condition. 814-793-4293.

Farmec 24' elevator, like new; IH PTO or ground drive corn binder, real good; Super C w/ cultivators 717-687-7968

Farm fan Model 350 batch grain dryer-/augers. 609-259-3733

FOR SALE 345 Mustang skid loader, 930 Case diesel tractor, AC 14' wing disc 717-684-3579

Int. 1066 w/cab, new tork, excellent condition 814-793-4293

JD 2040 Utility tractor. $6,000. 814-793-4295

JD 2840, roll guard, canapy & weather enclosure, $10,500 814-793-3782

JD 4020, 72 model, year round cab, air cond dual hyd., exc cond 814-793-4293

## USED TRACTORS

**AC** 7040, cab & air, power shift; 7030, cab & air; 6080; 6060; 6060 4WD; 5050 4WD w/loader; 5040 w/full hyd. front end loader; 190XT; 190XT w/cab; 175 diesel; 170 Gas; 160; D17; D15; G w/hydr & cultivator; B.

**JD** 3010 diesel; 2240.

**IHC** 674, 544; 424 w/hydr. dump loader; 230; 140; 100; Super A, with equipment; Cub; Cub low boy w/5' Woods rotary mower; Cub low boy w/Mott Hammer knive mower; Cub w/cultivator; Farmall 460 Gas, Farmall M.

**FORD:** 7700 4WD; 7600 diesel, high clearance; 7000; 6600 w/quick tach front end loader; 5000; 4100 Diesel w/loader; 4000; 600; and 8 N's.

**KUBOTA:** 7500 4WD demonstrator; 7200 4WD w/loader & mower, 89 hours, like new; L 225 w/cab.

**MF:** 285; 265 diesel; 175 diesel; 165; 65; 65 diesel; 50 diesel; 40; Ferguson 30, 40.

**OLIVER:** OC 6 diesel, crawler, good bottom.

## HAY EQUIPMENT

**HAYBINES:** NH 477-7', Hesston PT7, PT10, 1071, 1090-9'.

**SELF-PROPELLED HAYBINES:** Hesston 6200, 310, **CUTDITIONERS:** NI 279-9', NH 270, 272-7'. **HAY TEDDERS:** (New)-Fahr 4 star 17 ft., Kuhn 2 star, Grimm PTO reel type Deutz-Fahr side rakes. (Used)-Fahr 4 star, Lely 2 star Kuhn 2 star, 3 pt., Grimm PTO and ground drive. **BALERS:** MF 12, NH 270, 268, 276, 310. **BALERS w/THROWERS:** NH 270, 273, 275, 315, 320; Hesston 4500, MF 124, IHC 425. **ROUND BALERS:** Hesston 5800, NH 846, 851. Zimmerman 36 & 40 ft. elevators. New wood & steel bale racks. In stock new 6, 8, & 10 ton running gears, 12 ton tandem running gear. Large selection of sickle bar mowers, 3 pt. hitch, semi mount, & mounted. Call for your needs.

**SIDE RAKES:** NH 256 w/dolly wheel, 56, JD 660 w/dolly wheel, NI, IHC 35 w/dolly wheel, NI wheel rake. Deutz 3 pt. hitch disc hay mower. Hesston 1014 2+2 hydr. swing mower conditioner just returned from college lease. Hesston stack Hand 10 & 30.

## USED FORAGE HARVESTERS:

Hesston 2000-100, 2000-150, 7020; NH Super 717; large selection of pick up heads. JD 5400 self-propelled forage harvestor. IHC, Kools, and NI forage blowers. Gehl 750 chopper w/2R corn head, like new; NH 28 Blower, like new.

**FORAGE BOXES:** IHC- 3 beater w/roof, Grove 2 beater, H & S 3 beater, Lamco 2 beater.

## NEW DISTRESSED MACHINERY - NEEDS TO BE SOLD!

New left over weathered hay tools at reduced prices: (2) NI 279-9' cutditioners; NI 272-7' cutditioner; NI 406 hydr. drive side rake w/dolly wheel; NI 7' trailer mower - 1 with hydr. lift and 1 with mechanical lift; Arts way silage blower; NI 555 baler w/thrower.

## INDUSTRIAL

**TRACTOR LOADER BACKHOES** - Case 580C w/cab, JD 310-A; AC 715. **CRAWLER LOADER** - AC 655. **TRACTORS WITH LOADER, 3 PT. HITCH & PTO** - IHC 2444, MF 40, MF 2200. **SKID STEER LOADER** - NH 225, Bobcat 610 gas, Bobcat 611 Deutz diesel. **LOG SKIDDER** - (2) JD 440 series A; Ford 50 HP power unit. **FORKLIFTS** - JD 9300 backhoe. AC 840 1½ yd. articulated payloader; AC 940 2 yd. articulated payloader. 1 ton paving roller. 1977 Ford F700 truck with dump body, very good. 2 axle - 6 ton Tag-A-Long trailer. ARPS 3 pt. backhoe for small tractor. Mechanics Special, JD 1010 Diesel, IHC 3414, Moline tractor loader backhoes, low priced. IHC 560 Forklift; JD 350C dozer 6 way blade & winch.

## SPRAYERS

3 pt. & trailer sprayers, several orchard sprayers - air blast.

Meyers trailer air blast

John Bean trailer hand gun PTO driven

## LIQUID MANURE EQUIPMENT

Clay vacuum honey wagon; injectors available, like new.

Hedlund Martin Vanguard 2400 gal. tandem spreader.

2100 gal. liquid spreader w/knife injector.

NI Basin Pump.

New Hedlund Martin liquid manure pumps & tanks in stock for immediate delivery.

Patz 3000 gallon liquid tanker

Better Bilt 1500 gallon liquid tanker

Better Bilt PTO liquid manure pump

Used tank type spreaders, 4 used PTO and ground drive conventional spreaders

Better Built 8' Manure Pit Pump, very good cond.

New Hawk 170 tank spreader at dealer cost, only 1 available

Badger 3350 Gal. tandem spreader w/injectors.

## MISCELLANEOUS

Shaver 3 pt. post pounder; IHC 510 Grain Drill 13 double disc has grass seed & fertilizer like new, Shaver post pounder, 3 pt. hitch York rakes Servis 10 ft. 2 spindle trailer rotary mower, Bush Hog 5 & 6 ft. 3 pt. rotary mowers, Howard heavy duty 5 & 6 ft. 3 pt. rotary mowers, Small Davis backhoe for skid steer or 3 pt. mounting, IHC fast hitch carry all platform, Mott Hammer knife mower for Farmall Cub, 3 pt. hitch Mott Hammer knife mower, (3) Farmhand Corn Blurrs for high moisture corn, 20 misc. hydr. front end loaders for various models and make tractors - call for your needs, AC 100 HP D power unit with P.T.O. and clutch - choice of three. Just received new Kubota M 7950 DT Tractor with 4WD high clearance ideal for muckland farming - 76 PTO horsepower. Mounted cultivator for Farmall Cub, Super C, 200, 340; PTO Roller Mill, like new. Farmhand regrinder blower, like new; JD 2 row potato digger; NH 28 Blower, like new; Woods 20' batwing mower; Woods 650 3 point backhoe.

## NEW EQUIPMENT

Full line of Kubota tractors, loaders, mowers and tillers, low interest on all models. Deutz-Allis lawn and garden tractors. Deutz-Allis farm tractors from 40 to 110 horse power in stock. Blades, loaders, backhoes, trailers and carts.

**WE SHIP PARTS DAILY BY UPS.**

**THIS WEEK'S SPECIAL**

Minneapolis Moline Tractor
Loader Backhoe Runs
& Operates
**$4,650**

**MARSHALL MACHINERY, INC.**

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SALES & SERVICE
Deutz-Allis, Kubota, Hesston, New Idea, CDS Industrial formerly AC light industrial

**FOR SALE**

**1984 IH 5100 grain drill, press wheels & soybean equipped, $4,800**

**1977 AC 7040 tractor, 2,450 hrs., PS, air, AM/FM 20.8x38 tires, dyno 145 HP, $14,000**

**717-776-7672**

**SUPER SPECIALS OF THE WEEK**

6080 Tractor With
ROPS & Loader
Call For Super Price

**USED EQUIPMENT**

Deutz 8006 Used Tractor, Ex. Cond.
MF 1110 Tractor
XT 190D AC Tractor, Real Nice
NI 702 Uni Harvester With 717 Combine Head
NH Model 90 Bale Handler
AC 4 bottom SC plow
JD 6 Bottom Reset Plow
IH 400 Used Planter
Papec Harvester w/Both Heads
LKS Combine w/Grain And 630 Corn Head
MF 205 Combine w/240 Corn Head
Dion Wagon w/3 Beater Roof & Tandem Wagon Gear

**SPECIAL SALE**
**KUHN MOWERS RAKES AND TEDDERS**

AC 333 4 Row Corn Planters w/Dry Fertilizer
No-Tills, Insecticide Units. Complete Plate Planter, One Only At $6,495

**COMPARE OUR PRICES ON WOODS MOWERS**

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Chevrolet Small Block Engine Rebuilt Kits, Rings, Rod Bearings and Main Bearings With Full Gasket Set $89 90
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Other Kits Available At Comparable Prices
Perfect Circle M&W TRW and Sealed Power Tractor Industrial Kits Available
Full Engine Machine Shop Service and Rebuilding Available

**NEW TRACTORS**

244-Turf Tires
254-Turf Tires
284- Turf Tires
274- w/Cultivators
234- Turf Tires
585

**NEW EQUIPMENT**

IH 86 Rake
IH 15 Baler Thrower
King 5' 3 pt. disc harrow
1190 7' Mower Cond.
1300 Mower

**USED TRACTORS**

Farmall 656
Farmall H
Farmall C w/Equip. Cult., Plow, Snowblade, Mower, like new
154 LowBoy w/mower
Farmall Cub fast hitch w/equip.
1250 Cub Cadet
1 Toro Golf Course Tractor
Set of Toro Gang Mowers

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LAMB'S FARM MACHINERY
Thorndale, PA
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**ZIMMERMAN**

**NEW- HEAVY DUTY FORAGE BOXES BUILT FOR YEARS OF RUGGED SERVICE**

SAVE! BUY DIRECT FROM MANUFACTURER

**SERIES HD 700**
New hydraulic head assembly is designed to be compact for low maintenance Heavy duty low speed high torque motor eliminates one step down in gear reduction

**SERIES PTO 600**
PTO unit is driven by a gear box, safety clutch, shear pin and heavy duty variable speed drive leading to 3-step down reduction apron chain

All lumber is high quality pressure treated southern yellow pine #1 dense (select) Many heavy duty features at critical areas make these forage boxes the most rugged ever built

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**P.O. BOX 637, EPHRATA, PA 17522**
**Call Ivan Burkholder 717/354-2606**

**Service And Repairs On All Makes Of Forage Boxes**

**See Us At Ag Progress**

Antique Cider Press and Building Platform Scales, $8,000. 8x12 Platform. Make an offer
717-734-3291

## USED EQUIPMENT

TRACTORS
White 2-70 Tractor

COMPACT TRACTORS
Kubota 6100 DT w/Mower And Front Blade
IH 234 Diesel, 4WD

SKID LOADER
NH L35

HAY TOOLS
NH 273 Baler w/Thrower
NH 276 Baler w/Thrower
NH 469 Haybine
NH 479 Haybine
Owatanna 217 Haybine, 9 Ft.
NI 290 Mowditioner

GRINDER MIXERS
NH 352
NH 353

SPREADERS
NH 676 Spreader w/Hyd. Endgate
JD 465 Tank Spreader

PLANTING & TILLAGE
Brillion 14' Transport Harrow
IHC 400 4-Row, No Til
Case 7' Soil Controller
Oliver Superior No. 26 Grain Drill
JD 2500 4-Bot. 18" Plow

PICKERS
NI 324, 12 Roll Bed

LAWN & GARDEN
White 1610 w/42" Mower
Crown Stone Picker, 4½ Ft. Wide, Hyd Driven

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### NEW MACHINE SPECIALS
JD 1219 Mower Conditioner

### USED EQUIPMENT
MF 65 Tractor, Diesel, Very Clean
JD 3960 Harvester
Case 1570 Tractor, very good condition Priced below Dealer's Cost
MF 410 Combine w/4 RW Head
Gehl CB600 Harvester w/2RN Corn Head & 6' Pickup
Papec Harvester w/PU Head, 2R C.H., 2 R Snapper Head
JD 7000, 6R Conservation, Loaded, Dry Fertilizer
JD 7000, 4R Planter w/Frame Mtd. Coulters
JD 7000 4 RN Corn Planter
JD 1240, 4R Planter, $750
JD 494A Planter, $500
IH 400 Cyclo 6R Planter w/Liq. Fert., Insect. Attach., Hyd. Markers, Monitor $3,000
IH 400 Cyclo 6R Planter w/Dry Fert., Insect. Attach., Hyd. Markers, Monitor, Hydraulic Driven, $3,000
JD 3B Hydraulic Reset Plow
JD BW Disk
JD AW Disk
JD 520 Sprayer
JD 245 Loader w/85" Bucket, 4 Mos. Old

Ask about finance program on new & used equipment.

Late Season Special On
Used Corn Planters
All Planters Reduced

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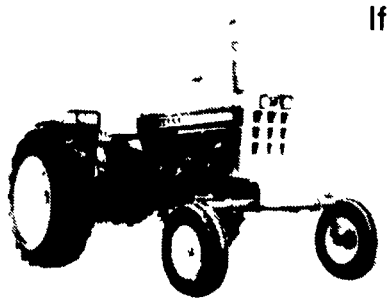
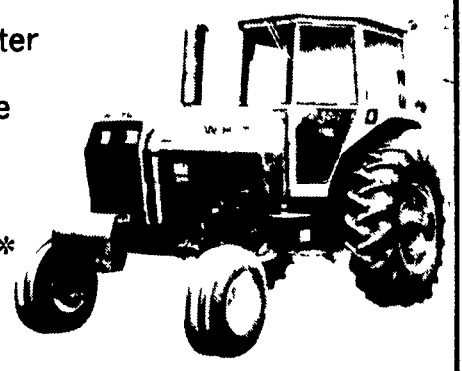
## * * ATTENTION * *
## OLIVER and WHITE TRACTOR OWNERS



If you need a better source for Parts & Service

** TRY US **



*WE TAKE PRIDE IN OUR STOCK*

We have an Excellent Supply of NEW, USED, and REBUILT OLIVER and WHITE TRACTOR PARTS *IN STOCK*

| Rebuilt | Reconditioned |
|---|---|
| Hydra/Power Transmissions | Engine Blocks |
| Over/Under Transmissions | Crankshafts |
| Wide Front Axle Assemblies | Cylinder Heads |
| Starters & Generators | Connecting Rods |

* We Ship Parts UPS *

## FARMERSVILLE EQUIPMENT INC.

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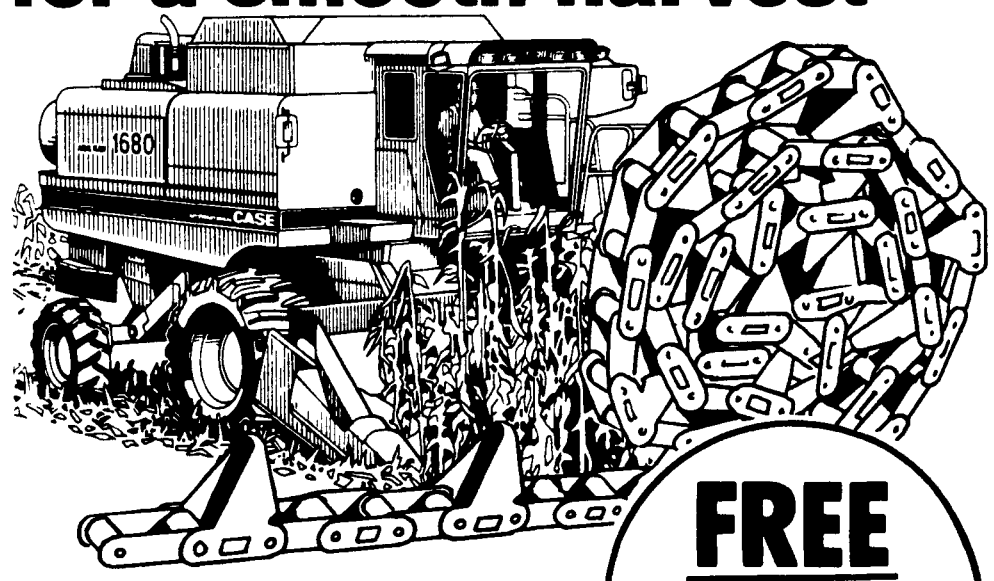
## Get your combine ready for a smooth harvest

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★ KUBOTA ★ HESSTON ★ SAME

### TRACTORS:

| | |
|---|---|
| Case 1190 | $9,500 |
| IH 656 w/504 Ldr. | $5,200 |
| IH 656 | $5,200 |
| IH 260 w/Ldr. | $10,625 |
| Case 1410 | $8,200 |
| Case 65 Ldr. (Mtd. on 1410) | $1,800 |
| Case 800 | $1,625 |
| Case David Brown 1200 | $3,600 |
| Kubota B7200 Diesel, 4WD w/Mower Deck... | Just In! |

### HAY & FORAGE
(3) Gehl 99 Blowers
Gehl CB400 Harvester
(2) Gehl CB600 Harvesters with Assorted 2-Row Heads And Pickups
Gehl 640 Forage Wagon
Grove 16' Forage Box
JD 16' For. Box, 3 Beater
NH 38 Flail Chopper

### BALERS
Owatonna 595 Round Baler
Vicon RP 1210 Round Baler
Several Square Balers In Stock
Gehl 1500 Round Baler
IH 46 Baler With Kicker

### MOWER CONDITIONERS
(2) Hesston 1014 Hydroswings
Hesston 420 Self Propelled
(2) Hesston 1090's
(2) Case 555 Windrowers
(2) Vicon KM 240 Windrowers
Gehl 1080 Mower Conditioner
Hesston PT-10
OMC 232 Hydro Swing

### UTILITY
Case 1845B Skid Loader Ex. Cond., 1984 Model, Ex. Cond.
IH 3300B Skid Loader

### MISCELLANEOUS
Just In-
IH Cub in excellent condition with 1 bottom plow, set of cultivators & snow plow. New Rubber
Jacobsen SOLD Tractor w/Mower
NH 350 Mix Mill
Schuler SOLD r Wagon
Cub Cadet 125
JD Drill 15 Boots
Case 220 w/38" Mower And Snow Blower

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Thru
Ag Progress Week

Waiver of Finance till May 1, 1987 OR 8.8% Financing

# AG PROGRESS DAYS SUMMER SALE
## Used Tractors And Equipment

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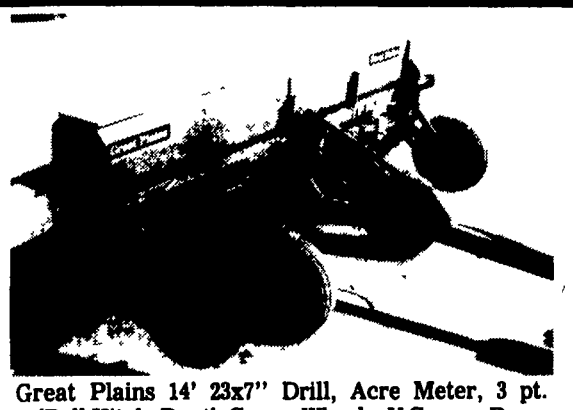


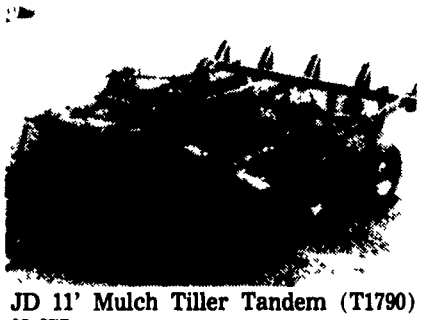
Great Plains 14' 23x7" Drill, Acre Meter, 3 pt. w/Pull Hitch, Depth Gauge Wheels, V Groove Press Wheel (V1726) **$6,200**

Krause 4118 Field Cultivator, Brand New, Flex Wing, 34 Shanks, 9" Sweeps (P9006) **$6,650**

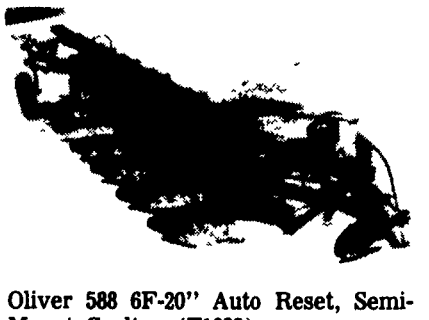
Rhino Flex 20 Mower, 1000 PTO, Front Chain Guards (U1751) **$9,800**

## USED TILLAGE

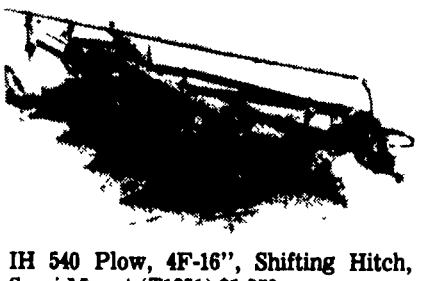
IH 642 Two-Way Roll Over Plow, 4F-16", Hoses & Cylinder (T1220) **$2,750**



JD 11' Mulch Tiller Tandem (T1790) **$2,675**



Oliver 588 6F-20" Auto Reset, Semi-Mount, Coulters (T1683)



IH 540 Plow, 4F-16", Shifting Hitch, Semi-Mount (T1851) **$1,350**

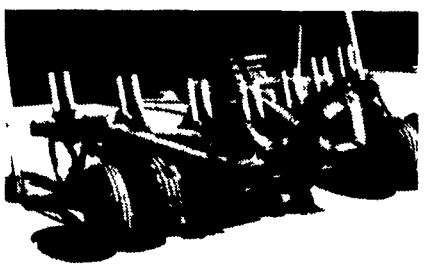
IH 55 Chisel, 11 Shank, Spring Trip, Depth Gauge Wheels (T9796) **$1,625**

IH 700 6 Bottom Plow, Auto Reset, 16" (T1459) **$1,975**

White Model 548 Plow, 6F, 18" On-Land Hitch, Automatic Reset (9927)

IH 55 Chisel, 3 pt., 9 Shank (T1434) **$1,125**

## USED MISCELLANEOUS



IH 14 Subsoiler, 9 Shank, Coulters, Heavy Duty Rear Hitch (T1181) **$6,900**

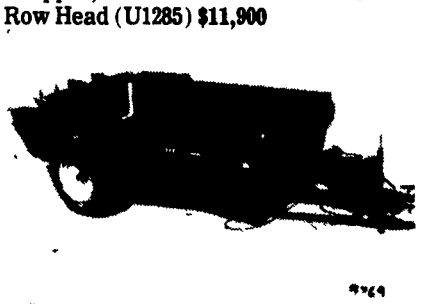
AC 600 6 Row No-Till Planter w/Gandy Appl., Cyl. & Hoses, Dry Fert., Monitor (V9376) **$3,300**

New Idea Uni-Harvester, Model 705 Tractor, Diesel Model 767 Super-Chopper, Model 768 Wide/Narrow 3 Row Head (U1285) **$11,900**

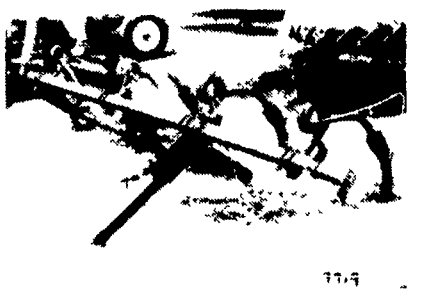
IH 56 Blower, 540 PTO (U1756) **$975**

New Idea 522 9' 3 Pt. 540 PTO, Like New, (U1732) **$1,475**

Walsh Sprayer, 3 pt. 200 Gal. 24' Boom (V9889) **$575**



IH 540 Manure Spreader, 160 Bushel, Hydraulic Endgate, 8.25x20 Tires (V9769) **$2,500**

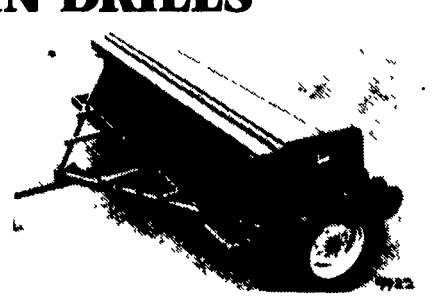


John Blue Anhydrous Tool Bar - 5 Knife, 38" (V9919) **$800**

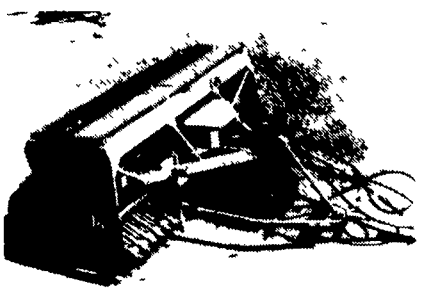
## USED GRAIN DRILLS

IH 620 Grain Press Drill, 21 Openers, 7" Spacing, (Ideal for Soybeans & Alfalfa) (V9302) **$4,975**

IH #10 7x16 Grain Drill, Fert. Seed Box, Grass Seed Attach. (V1752) **$1,350**



Deere 8300 Grain Drill, 16 Double-Disc Openers, 10" Spacing, Press Wheels (U9922) **$3,500**



Haybuster, 1206 No-Til, 12'6" Spacing, Fertilizer (V1462) **$3,800**

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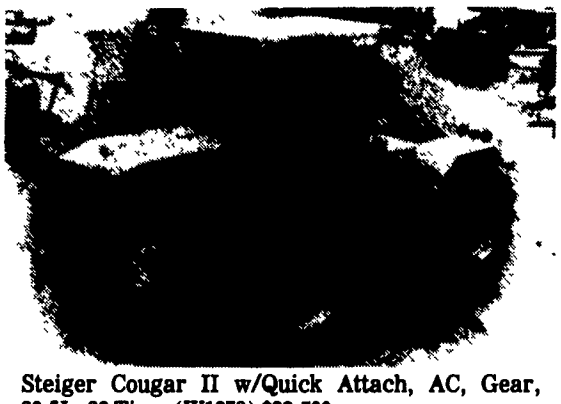
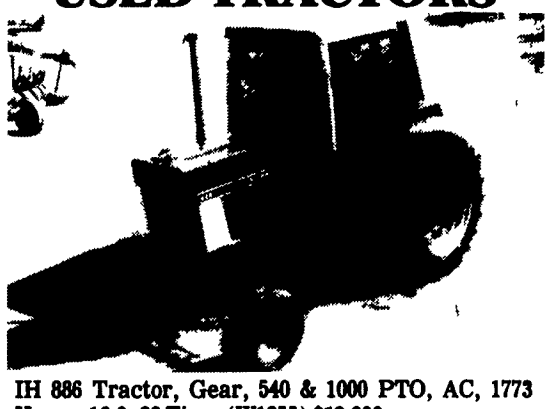
Thru Ag Progress Week

# AG PROG SUMMER S

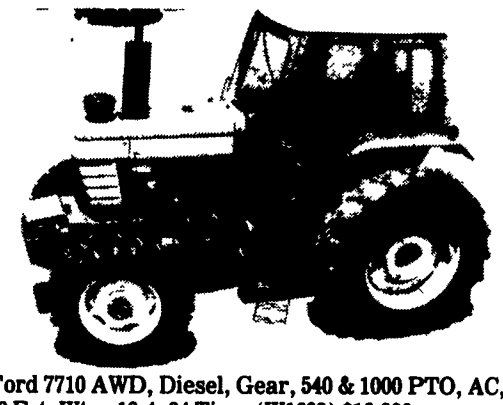
## USED TRACTORS



Steiger Cougar II w/Quick Attach, AC, Gear, 30.5Lx32 Tires (W1273) **$22,500**

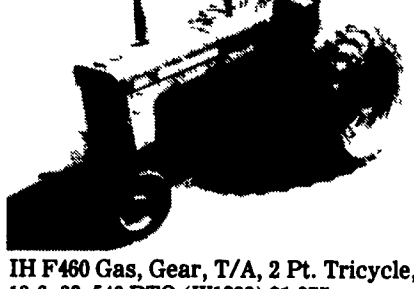


IH 886 Tractor, Gear, 540 & 1000 PTO, AC, 1773 Hours, 16.9x38 Tires (W1855) **$13,900**

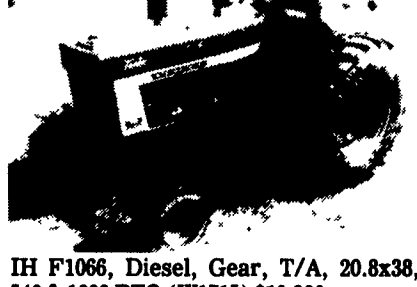


Ford 7710 AWD, Diesel, Gear, 540 & 1000 PTO, AC, 10 Frt. Wts., 18.4x34 Tires (W1689) **$16,900**

Deutz DX160 Diesel, Cab w/Air, 18.4x38 Duals (W9694) **$17,500**

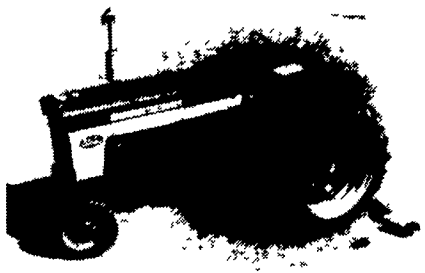


IH F460 Gas, Gear, T/A, 2 Pt. Tricycle, 13.6x38, 540 PTO (W1892) **$1,975**



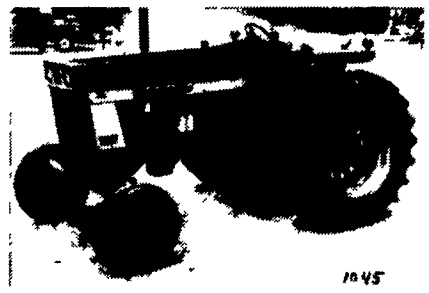
IH F1066, Diesel, Gear, T/A, 20.8x38, 540 & 1000 PTO (W1715) **$10,900**

IH 966, Diesel, Gear, TA, 18.4x38 Tires, 1000 & 540 PTO (W1439) **$10,900**

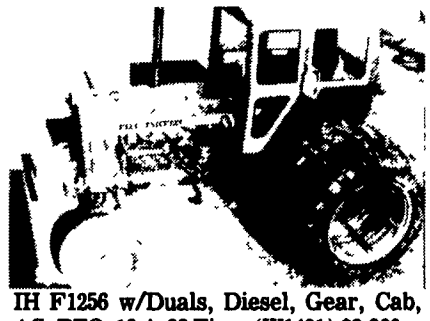


IH F460 Diesel Gear, 2 Point Hitch, 15.5x38 Tires, 540 RPM PTO (W1446)

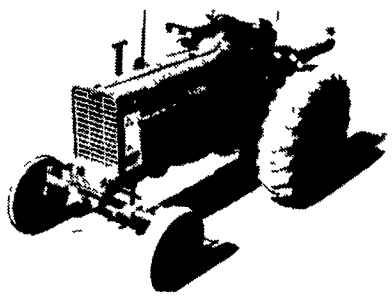
IH F1566, Diesel, Gear, Cab w/AC, PTO, 20.8x38 Tires (W1423) **$13,500**



IH F1066D Hydro, 20.8x38 8 Ply Tires, Dual PTO, (W1045)

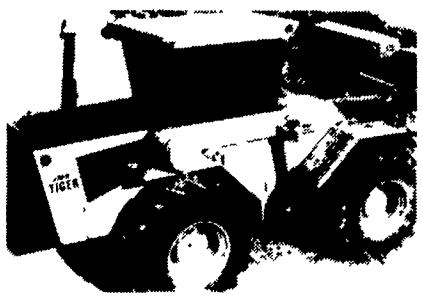


IH F1256 w/Duals, Diesel, Gear, Cab, AC, PTO, 18.4x38 Tires (W1431) **$8,900**



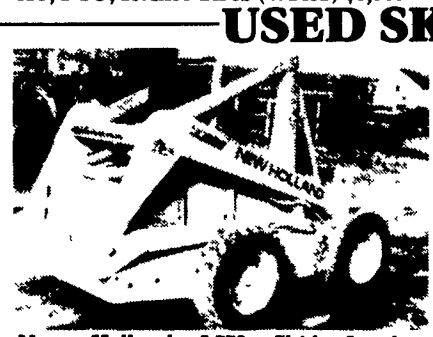
IH F1206 Diesel, Gear, 540 PTO, 3 Pt., 18.4x38 Tires (W1428) **$6,500**

IH F706 w/Fast Hitch, Gear, T/A, Diesel, 540 & 1000 PTO, 16.9x38 Tires 90% (W1736) **$6,500**



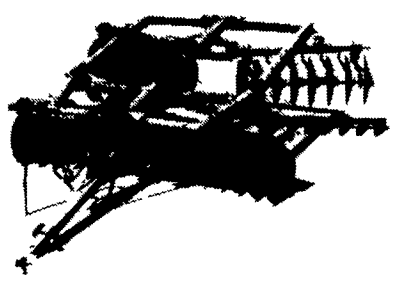
Steiger Tiger-Turbo w/3 Pt. Quick Attach., AC, Gear, 13.5Lx32 Tires (W1372) **$24,500**

## USED SKID

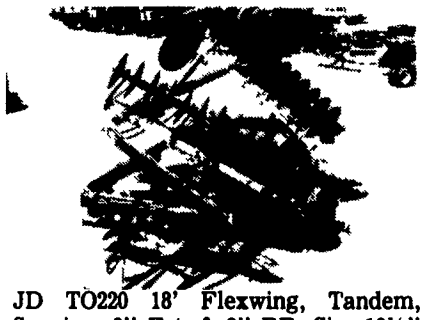


New Holland L778 Skid Loader, Hydrostatic, Gas (W9768) **$8,900**

## USED DISC

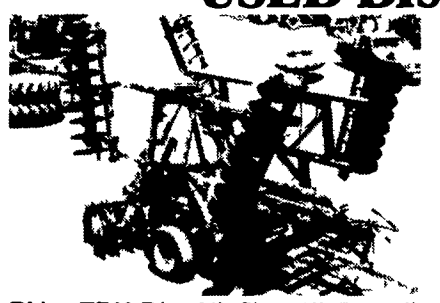


Athens 83 10' Disc, Size 19" Frt. 21" RR, Cyl. & Hoses (T1604) **$975**



JD TO220 18' Flexwing, Tandem, Spacing, 9" Frt. & 9" RR, Size 19½" Frt. & 20½" RR, Cyl. & Hoses (T1694) **$2,975**

IH 470 18' Disc, Rear Mulchers, Tandem, Spacing, 9" Frt. 7½" RR, Size 16½" Frt. 17½ RR, Cyl. & Hoses (T1699) **$1,695**



Rhino FB90 Disc 24', Size 20" Frt. 21" RR, 9" Spacing (T1714) **$5,875**

**Waiver**
**Of Finance**
**Till May 1, 1987**
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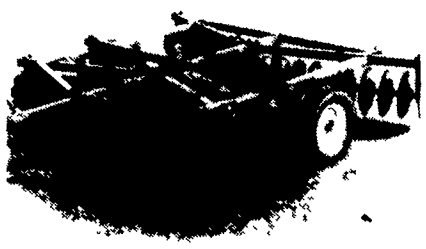
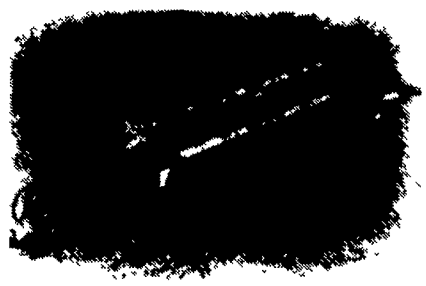


Colby 12' Disc, Front Blades Notched, Spcg. 7" Frt. & 7½" RR, Blades 17" Frt. 18" RR, (T1769) **$600**

Athens 131 Flex-Frame Disc, 14', 9½" Spacing (T1556) **$1,875**



Binkley-Wilbeck, 10' Offset w/RR Drag, Blades 21" Frt. & 23" RR, Cyl. & Hoses (T1347) **$2,200**

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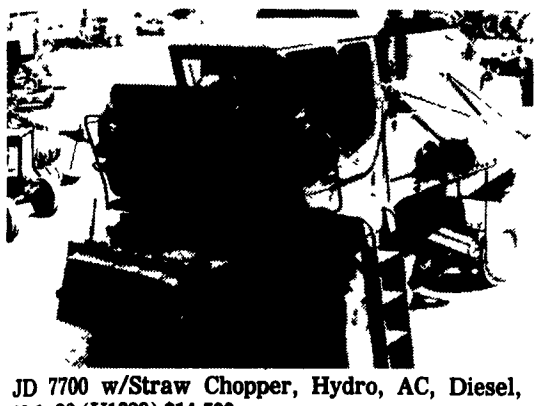
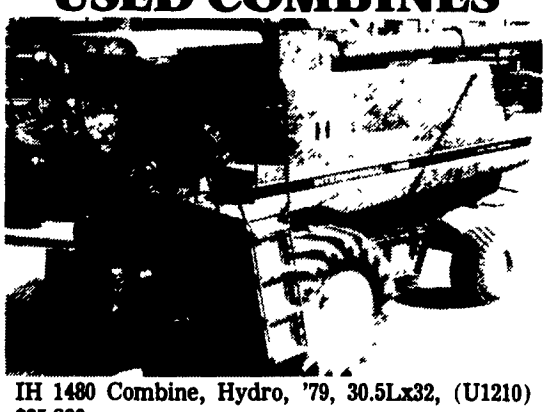
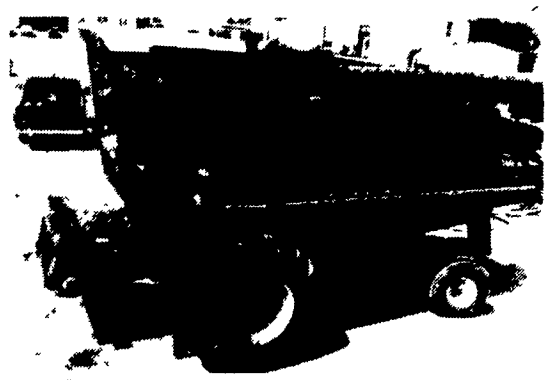
## USED COMBINES



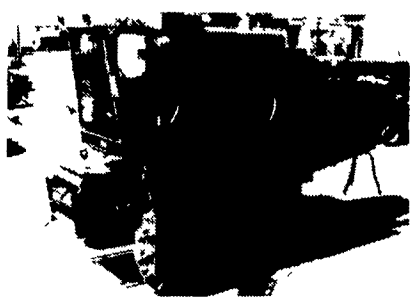
JD 7700 w/Straw Chopper, Hydro, AC, Diesel, 23.1x26 (U1829) **$14,500**



IH 1480 Combine, Hydro, '79, 30.5Lx32, (U1210) **$35,800**

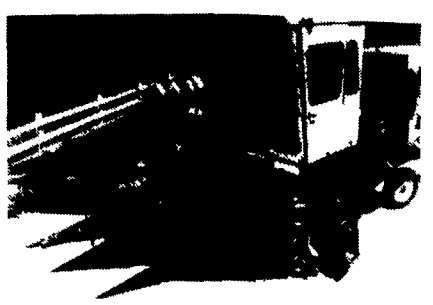


IH 1460, Hydro, 24.5x32 Tires, AC (U9559)



IH 815 Diesel, Hydro, 23.1x26, Cab w/AC (U1362) **$5,200**

IH 815 Hydro Combine, Diesel (U1844) **$11,900**



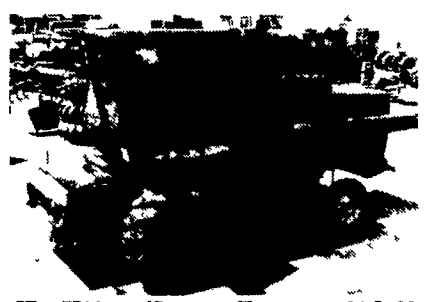
IH 205 Gas, Cab, 16.9x26 Tires, 12' Header, 227 Cornhead, 12' Grainhead (U1132) **$3,300**

New Idea 717 Uni-System Combine w/738 Cornhead (U1779) **$5,200**

IH 715 Combine, Diesel, Gear, 23.1x26 Tires (U1849) **$9,500**

John Deere 4400 Diesel, 18.4x26, A/C, Straw Chopper (U9806) **$8,900**

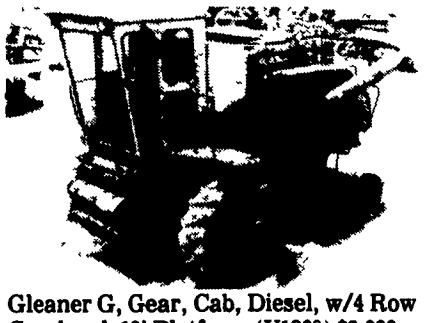
IH 715 Diesel, Hydro, 18.4x26, Monitor (U7818) **$7,775**



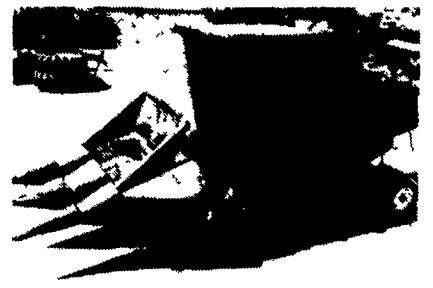
JD 7700 w/Straw Chopper, 24.5x32 Tires, Gear w/Variable Speed (U1361) **$13,200**

## LOADERS

IH 4140 Gas Skid Loader w/60" Bucket (W1562) **$6,900**



Gleaner G, Gear, Cab, Diesel, w/4 Row Cornhead, 13' Platform (U1369) **$9,900**

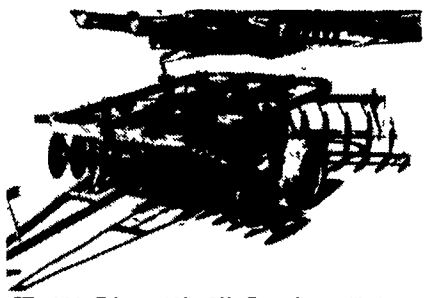


IH 203 Combine, Gas, Gear, Cab, 2 Row Cornhead (U1205) **$2,900**

MF 410, Diesel, Gear, 422 Cornhead, 12' Platform, 18.4x26 (U1412)

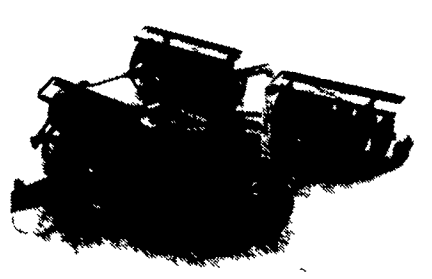
## CARROWS

Bush Hog, 12' Disc, 9" Spacing (9847) **$1,075**

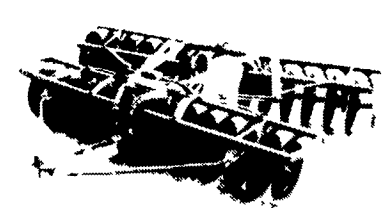


JD 111 Disc, 10', 9" Spacing (T1602) **$1,975**

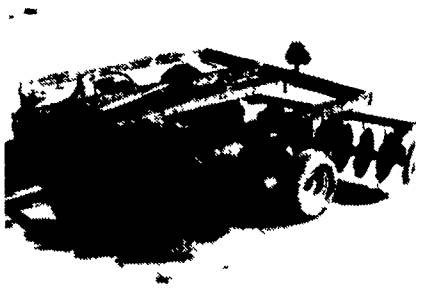
Deere 110 Disc, 10' 9" Spacing (T8034) **$1,575**



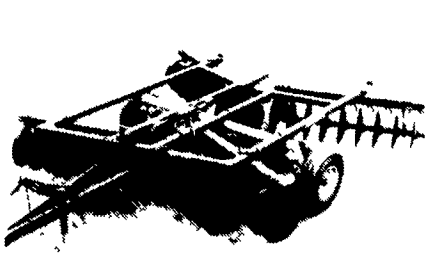
IH 7' 28 Blade Disc, 6½" Spcg., Size 15" Frt. & 16" RR (T1676) **$295**



JD KBA 7' 28 Blade Disc, Spcg. 7" & 7", Size Frt. 17½" RR 19" (T1665) **$425**



IH 501 14' Tandem Disc, Spcg. 10½" & 10½", Size Frt. 19" & RR 22", Cyl. & Hoses (T1824) **$2,375**



Krause 2244 Disc, Duals, 13½', 20" Blades, Spacing 9" (T1618) **$3,950**

Kra[illegible]13 23' Disc, Reconditioned, Flex Tandem, Cyl. & Hoses (T1[illegible]) **$2,900**

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**Radio Controlled Trucks For Better Service**

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OBER & SON INC.
RCOURSE, PA

VISA

## NEW EQUIPMENT SPECIALS

**Cash-No Trade Prices FOB Silverdale, PA**

JD 8200, 21x7 Plain Drill, Double Disk Openers, 20" Double Rib Tires, $4,400
JD 712 Mulch Tiller, 13'9", Spring Standards, new tires, $8,500
JD 1610 Chisel Plow, 8' Spring Trip Standards, $1,800
JD 1010 Field Cultivator, 3 pt., 12½', $1,725
NH 316 Baler, Twine Tie, $7,250

## I.G. SALES

Silverdale, PA 18962
215-257-5135

DeLAVAL JAMESWAY — JOHN DEERE — Quonset Buildings

## USED EQUIPMENT SPECIALS

### SELF PROPELLED HAYBINES

1495 Planetary Drive, Partial Cab, 12' Rolareel Header
1469 Planetary Drive w/Ford Engine, 9' Header & Partial Cab
1469 Planetary Drive w/Ford Engine, 9' Header & Full Cab

### PULL TYPE HAYBINES & MOWERS

NH 495 12 Ft. Haybine w/12' Rolareel
NH 489 9 Ft Haybine - 2 In Stock
Hesston 1010 10 Ft. Hydroswing
Hesston PT-10 9 Ft. Haybine
Ford 501 Sickl[SOLD]Mower

### HAY BALERS, RAKES, MISC.

NH 320 Baler w/70 Bale Thrower
282 Baler

### FORAGE EQUIPMENT

NH 892 Harvester w/New Knives & 880W Pickup
NH Super 717 [SOLD] Harvester
NH 880 Harvester
NH 717 Harvester - As Is
NH 880 R-2, 2 Row Narrow Chopper Head - New
NH 880 N-2, 2 Row Narrow Chopper Head
NH 741 Cornhead - 1 Row
NH 741 Cornhead - 1 Row
NH Super 23 Forage Blower
NH No. 38 Flail Chopper - As Is
Lamco Forage Wagon w/Roof & Gear

### UNI EQUIPMENT

NI 709 Uni Tractor w/Rear Wheel Assist, Cab, Air, Fully Weighted
NI 702 Gas Uni Tractor - As Is
NI 741 Feeder House - As Is
NI 766 Pickup - As Is
NI 766 Pickup - As Is
NI 729A Sheller
NI 724 Stripper Head (3 Row Wide)
NI 760 Uni Harvester
NI 762 2-Row Wide Chopper Head
NI 762 2-Row Wide Chopper Head

### COMBINES & CORNHEADS

AC KKS Gleaner Combine w/10 Ft. Header
MF 300 (1974) Combine w/10 Ft Grain Header
AC LSK Gleaner[SOLD] Ft. Grain Head and 440 Cornhead
AC 238 Cornhead, 2 Row Wide
AC 238 Cornhead, 2 Row Wide
AC E Gleaner w[SOLD] & Grain Head - As Is
MF QT24 Cornhead, 2 Row Wide - As Is
MF 322 Cornhead, 3 Row Wide - As Is

### MANURE SPREADERS

MF 160 Manure Spreader w/2 Beaters
NI 218 Manure Spreader w/Hyd. Endgate- As Is
NI 214 Manure Spreader w/Hyd. Endgate- As Is
NH 516 Manure Spreader w/3 Beaters - As Is
Starline 930 Tank Spreader - As Is

### MISCELLANEOUS

IH 540 Plow, 4 16" Bottom
IH 5500 7 Too[SOLD]el Plow

**SHARTLESVILLE FARM SERVICE**
R.D. 1 Box 770
Hamburg, PA 19526
Phone (215) 488-1025

DEUTZ ALLIS — NEW IDEA — NEW HOLLAND

## USED EQUIPMENT

★ Extra Special Cash Allowance or Waiver Til 1/1/87 or 8.8% Financing on Most Used Equipment in Stock!

**TRACTORS:**
IH Farmall "C"
Farmall 450 Diesel
Farmall Super C w/Fast Hitch & Cult.
Farmall 400 Gas, Tricycle
Int. F12 w/cult., $650 - Runs
MF 65 D[SOLD] Utility, Nice Sha[illegible]
IH 240 w/Fast Hitch
Case 990
Cub Lo Boy w/60" Mower
154 Lo Boy w/60" Mower & Blade
IH 154 Cub Lo Boy w/Mower — Mechanic's Special, $1,500
IH 350 Utility
IH 460 Utility Gas - Real Nice Cond!
MF 135 gas, low-profile orchard tractor
(2) Ford 9N tractors
AC "B" w/Loader and Sickle Bar

**HAY & FORAGE:**
Int. 56 Blower, Rebuilt
IH No. 51 Forage Wagon
NH 38 Flail Chopper
NH No. 26 Blower
(2) NH No. 27 Blowers (Whirl-a-Feed)
Gehl FBB 88 Blower
Gehl 99 Hi-Throw Blower, nice!
550 IH Chopper (Parts)
1014 Hesston Mower Cond. — Make offer!
NH 461 9 ft Mower Cond., Good Cond.
NH 69 Baler w/o Thrower
NH 268 Rake w/Jack
IH 35 Rake w/Jack
IH 27 Baler - Real Nice
IH 420 Baler w/o Thrower
IH 430 Baler w/Thrower- $1,500!
IH 440 Baler - Real Nice!
(2) IH No. Bale Throwers
5026 Elec. Wheel, 8 ton Gears
IH Direct Cut Head For 15 or 16 Chopper
IH 781 Chopper w/2 Row Head - Like New
NI Stalk Shredder, 12'
Woods RM90, 3 pt. Hitch, Finish Mower

**MATERIALS HANDLING:**
IH 530 Spreader w/End-gate
Farmhand Loader for IH 74 or 84 Series Tractor
IH 2000 Loader, Less Bucket, Mount for IH 275

**OUTDOOR POWER EQUIP.**
Cub Cadet 149 w/42" Mower
Cub Cadet 108 w/Mower
Cub Cadet 106
Cub Cadet 105 w/mower
Cub Cadet 682 w/50" Mower
JD 210 w/Mower, Nice Shape
AC Big 10 w/Mower
Gravely Model 424, 10 Hp, w/Mower
Grasshopper 1620 w/Mower

**TILLAGE:**
Brillion 10' Packer Mulcher — $1,150
Brillion Vibra Tine Trailing Field Cult , 16 Ft., Like New
Pittsburg 11'6" Disk
JD KBA Disk, 9' — $750
JD BWA 12' Disk
JD 1710A 12' Trailing Mulch-Tiller, Like New — $3,950
IH 37, 35 In Various Sizes
IH 550 5-Bottom Semi Mtd. Plow
Int. 360 20 ft. Trailing Field Harrow
IH 315 12'4 Packer Mulcher
Chattanooga 11' Packer w/Transport
1-Bot. Trailing Plow
Vicon 10' Power Harrow — Was $2,500 — Now $1,150

**COMBINES:**
715 Diesel Hydro, Air Cond., w/13' Floating Cutter Bar and 744 Cornhead
AC FKS Diesel 4-Row Narrow Cornhead, 13' Platform, Nice Shape! — No Reasonable Offer Refused
IH 227 Cornhead, fits 315, 205 or 203
IH 843 4-Row-Narrow Cornhead — $3,250
IH 844 4 Row Wide Cornhead, Real Nice!
IH 863 6-row Cornhead RReal Nice!
JD 7700 D w/6 Row 30" Hd., Coming In — Nice Shape

**IH PARTS COMBINES:**
IH 315 Hydro & Plat
IH 315 Gear & Plat.
IH 403 Gear, 4R Wide Hd & 12 Ft. Plat
IH 227 Cornhead

**MISCELLANEOUS:**
SIMMS Cab & Roll Bar Enclosure for 574 Series Tractor — $750
ARPS 3 pt 78" Snowblower
Vicon 281 Mower Cond. - Extra Special Price! (New, Demo.)
Walsh 300 Gal Trailing Sprayer
IH 530 Spreader
Howard Rotovator, 54", 3 pt. Hitch, Hvy. Duty - $1,050

**PLANTERS:**
IH 16x7 CO SD grain drill like new, coming in
(2) IH 56 4-Row Planters - Real Nice Cond.
IH 400 4-Row Cyclo Planter - Coming In!
IH 2-Row Fast Hitch
IH 455 4-Row
IH 658 6-Row Narrow Dry Fert.
4 & 6 Row Cyclos, Field Ready!
JD 1240 Plateless, Liq. Fert., 30" Rows w/DEMCO Squeeze Pump — Nice!
JD Van Brunt 13x7
JD FBB 17x7 DD
JD 8300 23x7 DD plain grain drill w/press wheels - Like New!

**Summer Specials!**

**JAMESWAY VENTILATION EQUIPMENT IN STOCK**
Limited Availability **50% OFF**

| | |
|---|---|
| Butler 115 Mix Box (Make Offer) | $6,450 |
| Vicon 281 Mower Cond (Demo Make Offer) | $9,500 |
| Trailblazer Foam Marker Kit (List $950) | $ 785 |
| Century Dye Marker Kits 3 Available At 10% Below Dealer Cost | $350 ea. |

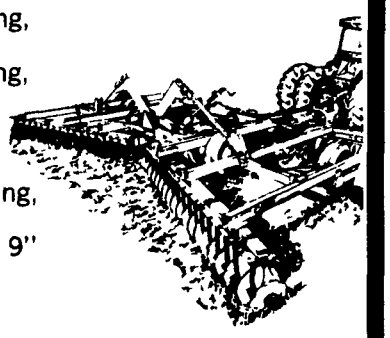
John Blue Saddle Tanks - 200 & 260 Gal Available In Stock
John Blue 300 Gallon Trailer Sprayer
John Blue 500 Gallon Trailer Sprayer
John Blue 6-Row Tool Bar For Side Dressing - In Stock, Ready For Delivery— Only 1 Left!

## case IH

**Check With Us For...**
★ 5% Interest Financing, or...
★ Interest Waiver Til 7/1/87 or 8.8% Interest Financing, or...
★ Big Cash Discounts

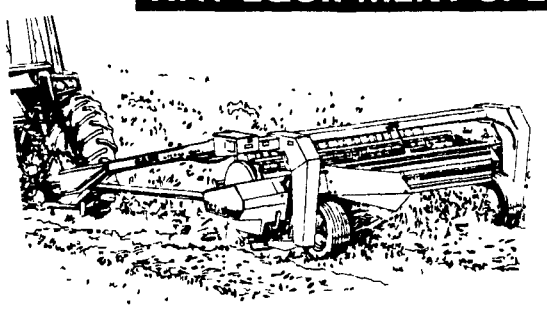
### DISKS

Case IH 496 18x7 Cushion Gang, 7½" Spacing
Case IH 496 18x7 Regular Gang, 7½" Spacing



**New Model — JUST IN...**
Case IH 475 11'6, Cushion Gang, 7½" Spacing
Case IH 475 12', Cushion Gang, 9" Spacing

### HAY EQUIPMENT SPECIALS



**Will Sell Below Invoice Price!**

Case IH 1190 Mower Conditioner - Demo
Case IH 96 Hydraulic Rake
Case IH 1490 12 ft. Hydroswing
Case IH 42[SOLD] with Thrower
Case IH 445 Baler with Thrower - Demo
Case IH 3450 Big Round Baler

### NEW EQUIPMENT

Int 200 Series Tractors In Stock — All Models Available!
Case 3294 — 4WD — Extra Extra Special Price — Rental Unit
Case 2294 — 4WD — Extra Extra Special Price Rental Unit
Case IH 1896 — 2WD — 2 In Stock — 1 w/Cab & Air, 1 w/4 Post Roll Bar
Case IH 2096 — 2WD & 4WD — Cab
Case IH 2294 — 2WD — Cab
Case IH 685 Row Crop — ROPS
Case IH 885 — ROPS
Case IH 385, Low Profile w/Turf Tires — ROPS
Case IH 1594 2 Wheel Drive, 2 Post ROPS W Power Shift
IH 4630 Vibra Shank Trailing Field Cult — 30 ft — Extra Special Price
IH 183 Vibra Shank 4 Row Cult — Set Up — Extra Special Price
Straw Chopper For 1420 Combine — Make Offer!
Case IH 1620 Combine
IH 4623 Vibra Shank Trailing Field Cult , 21' to 26', Demo
(2) IH 540 Spreaders 170 Bu
IH 560 Spreader
IH 375 Tandem Axle 10 Ton Running Gear w/11Lx15 Tires, Extendable Tongue
Case IH 415 13'2 Packer Mulcher
Case IH 415 10' 1 Packer Mulcher
IH 181 Rotary Hoe
800 6-Row Air Planter — Demo
Case IH 20x6 Plain And Combination Drills
Case IH 24x6 Plain Drill
Case IH 18x7 Plain Drill

**Just Arrived**
**Case IH No. 14 Sub-Soiler, Auto Reset**
**Case IH 2200 Loader**
**Case IH 2250 Loader**

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★ John Blue Sprayers
★ FMC Bean
★ Brouwer Turf Equip.
★ Grasshopper Mowers
★ Myers Forage Wagons
★ Hedlund Martin
★ Madison Silos
★ Ag Chem Sprayers & Parts
★ Northwestern Skid Loaders
★ Woods Mowers, Blades & Backhoes
★ Trailblazer Foam Markers
★ Cub Cadet Lawn Equip

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NEW HOLLAND

**TRACTORS**
(2) AC 190XT
AC 7000, PS, ROPS
(2) AC 7020
AC 7040
AC 7060
AC 7080
(2) AC 5040
(2) AC 5050
AC 210
JD 2240
Kubota B7100 HSE w/RC6000 Mower
IH 986
FaSOLD H
AC 6140

**LOADERS & FORKLIFTS**
AC Model 50
AC Model C40X
AC D15
L35 Skid
Bobcat 530

**COMBINES**
(2) NH TR70 w/960 and 962W4
AC Straw Spreader
AC C II w/2 Heads
AC FKS2 w/430 Corn Head and 313 Flex Head
AC G440 Corn Head
AC 430 Head
AC 438 Head

**FORAGE EQUIPMENT**
NH 919 N4
NH 892 w/822 & 880 WPU
NH 890 W
NH 770R2
NH 890N3
NH 1890 Hydro C/A w/2 Heads, w/550 hrs.
NH 38 Chopper
NH 880 R2 Head
(4) NH 822 Corn Head
Field Queen Standard

**MOWERS**
Woods SOLD
NH 451
NH 462 Discs
NH 463 Disc
Vicon Disc
Triumph Sickle Bar
Lilliston

**BALERS**
NH 851 Auto Wrap
(3) NH 273 w/54A Thrower
IH 440
NH 846
NH 316 w/70 Thrower

**WAGONS**
Bale Kick w/elec. gear
Richardson Side Dump, Running Gear

**PLANTERS**
AC 600, 4R, Air
(2) AC 600 4R no-till
AC 600 6R no-till
JD 4R

**MOWER CONDITIONERS**
(2) NH 1495 D w/12' Head
NH 489
NH 1495 SP, 12' Hyd. Gas
NH 499
NH 469
NI 279 Cutditioner

**LAWN & GARDEN**
AC 716 w/Mower
AC 712H w/42" Mower
AC 616 w/5' Mower & Dozer Blade
AC 608 w/Mower
Woods Front Runner
Cub Cadet 782
(2) Gravely w/Mower
JD 112
Kubota B5100E

**MISCELLANEOUS**
Hub 48' Elevator
Brillion 7 Shank Soil Saver
(2) NI 245 Spreaders
Gilson Snow Blower
Danuser 2040 Digger

**RAKES**
NH 256
(2) NH 258
NH 260
V-Tandem Hitch
Deutz Fahr Tedder
Pequea 9' Tedder

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Then get
**8.8% A.P.R. FINANCING**
for the remainder of your contract

Or choose
**5% A.P.R. FINANCING**
from date of purchase

**ON ALL NEW TRACTORS**
(over 40 PTO hp—30 kW)

Available to qualified purchasers. Purchase down payment required. All offers valid thru August 31 1986. For credit benefits, purchase must be financed through JI Case Credit Corporation.

- Model 2294, 131 PTO HP w/Mechanical Front Drive
- Model 2096, 115 PTO HP

**IN STOCK & SELLING FOR AS MUCH AS $10,000 BELOW INVOICE**

***Call Us Today For The Best Deal Ever***

Good Used 720 FORAGE HARVESTER w/Hay Head & 2 Row Corn Head ..... NOW ONLY $5,500

With Interest Waiver Till May 1, 1987
OR 8.8% Financing For Up To 30 Months

***Parts And Service Always Available***

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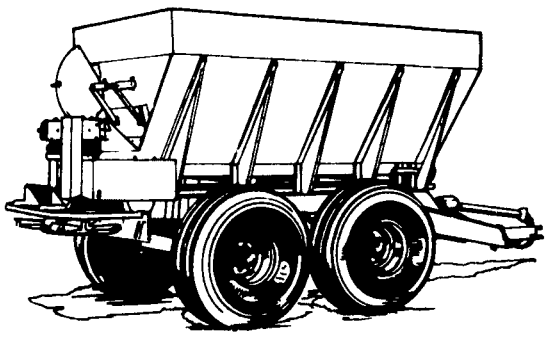
Store Hours Mon, Wed, Fri 7 AM-8 PM; Tues & Thurs 7 AM-5 PM, Sat 7 AM-2 PM

# C.U. Stoltzfus And Willmar: Spreading and Handling Equipment For Lime and Fertilizer

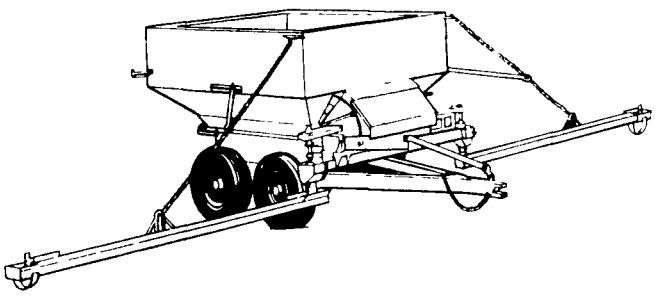
## WET LIME SPREADER



**Some farmers are saving as much as $16 per ton spreading their own lime!**

- Spread it when you want it spread
- Rugged construction, built to last
- Great for fertilizer, poultry waste and similar materials
- Truck mounted in 9' to 14' lengths
- Tractor drawn in 2, 5, or 8 ton models

## SOWER SPREADER



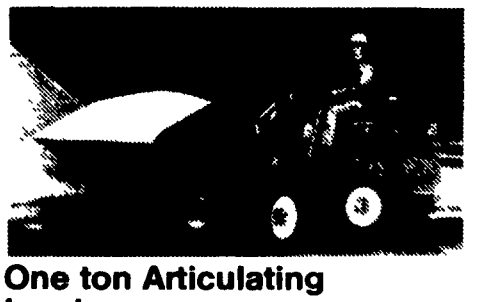
**With today's prices you can't afford to waste fertilizer.**

- Accurate, even spreading, as much as you want right where you want it.
- Designed for all types of dry, free-flowing materials such as dry lime, rock phosphate and fertilizer.
- Truck mounted or tractor drawn

**Outstanding values from Willmar Mfg.**

Six ton Stainless Steel Tender

Five ton Spreader/ Tender Combination



One ton Articulating Loader

**C.U. Stoltzfus**
MANUFACTURING, INC.

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**USED EQUIPMENT**

Farmall M w/2ME Picker
Farmall Cub Tractor with Sickle Bar Mower, Plow and Cultivator SOLD
MF 50 Gas Tractor
MF 1130 Tractor
MF 285 Diesel Tractor
MF 128 Baler
MF 760 Combine
MF 860 Combine (900 Hrs.)
Lawn Mowers

**NEW EQUIPMENT**

MF 240 Tractor
MF 250 Tractor
MF 270 Tractor
MF 294-4 Tractor
MF 1040 Tractor
MF 1010 Tractor
MF 3525 Tractor
MF 3545 Tractor
MF 3505 Tractor (Demo.)
MF 224 Baler
MF 212 Thrower
MF 725 Hay Tedder
NI 522 Mower
NI 512 Mower Conditioner
NI 406 Rake
NI 660 For. Harv.
NI Spreaders
Snapper Mowers

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**WAIVER OF INTEREST ON USED TRACTORS UNTIL MAY 1, 1987**

**USED SKID STEERS AND INDUSTRIALS 8.8% Financing**

## USED EQUIPMENT

**TRACTORS & SKID STEER LOADERS**

JD 2640
Case 2090 Cab
Case 2290 Cab
IH 1066 Cab
Oliver 1800 D
Case 580 C Loader
Case 1816 B Uniloader
Case 1737 Uniloader
Case 1835 Uniloader
Case 1740 Uniloader
IH 4130 Skid Steer

**MISC. EQUIPMENT**

763 Row Crop
838 Uni Husker
325/329 Picker Sheller
Bush Hog 10' Mower
Gehl 1580 Blower
Mechanical Trans-planter
5' 3 Pt. Rototiller
JD-AC-IH Corn Planters
IH Grain Drill
Badger Box
NH 8 Forage Box
OMC 217 Mower Conditioner
Fox 2000 Harvester

**MANURE SPREADERS**
ALL SIZES

**AG PROGRESS SPECIALS**

'82 Case Forklift
Model 585C
14' Mast
5,000 Lb. Lift

New Idea 838 Uni Husker

New Idea 329/325
2 Row Sheller
Excellent Cond.
$3,900

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**TW-5 FORD TRACTOR**

Ford Tractors Equipment

- 2 Wheel Drive
- 105 HP
- 16 Sp. Dual Power Trans.
- Cab & AC
- 20.8x38 Tires
- Wghts., 3 Spool
- 3 Year Warranty And Maintenance

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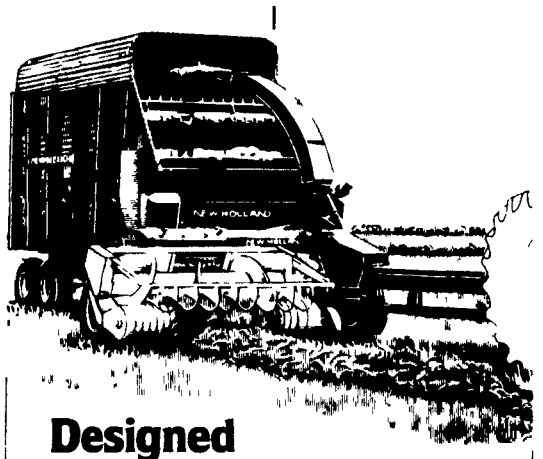

**Designed for total performance**

Step up to better performance with the Model 900 forage harvester. The [illegible] drive of the [illegible] inch diameter cutterhead delivers uniformly cut high quality forage. Here are just some of the features available that make the 900 a harvester designed for total performance.

- Metalert II electronic metal detector protects cutter head and your valuable animals
- Electromagnetic clutches give instant response in controlling feedroll and attachment drives
- Easy adjust shearbar makes adjustment fast and precise
- Two speed blower is energy efficient
- Hydraulic swing tongue makes mounting attachments fast and easy

NEW HOLLAND Products of [illegible]

**BHM FARM EQUIPMENT, INC.**
Annville, PA
717-867-2211

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## USED EQUIPMENT

*** 8.8% Financing or Waiver of Interest till 5/1/87 and/or Cash Rebates**

**TRACTORS**

4534 IH 986
4646 IH 560
4101 IH 784
4722 IH 4568
4707 IH 1206
4886 IH 454 D
4783 IH 886
4586 Deutz DX140
4558 Farmall H
3335 JD 8630

**COMBINES**

*4058 AC N6
*4784 NH TR70
*4090 NH 1500
*3866 NH 1400
*3058 JD 7700 w/Chopper
*3784 IH 1440
*3775 IH 1460
*3882 IH 915
*3983 IH 915
*4868 IH 1480

**PLANTING EQUIPMENT**

4798 Woods 214 Mower
4518 IH 46 Baler
4031 NI 212 Manure Spreader
5487 NH 280 Baler
3561 NH 495 Haybine
3837 NI 245 Manure Spreader
4721 John Blue 700 Sprayer
3900 John Blue 1000 Gal. Sprayer
4613 IH 60 Shredder
4887 Rhino Flex 15 Mower
4909 NH 352 Grinder Mixer
4489 JD 8300 Drill 18x7
5713 IH 510 Drill
2763 IH 620 Tandem Full Press Drill
5786 IH 510 Drill

COMING... Field-Day Wednesday, Sept. 3

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So Many Survive The Drought

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Irrigation System
Pays Big Dividends

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Since 1944 We Have Been
Helping People Get Ahead

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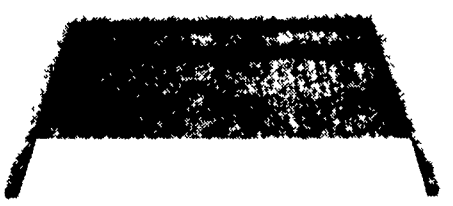
*Weaverline*

# COB CORN GRATE

for **M-F** 750/850 760/860 **COMBINES**



REPLACE THE REGULAR CORN SIEVES IN YOUR COMBINE WITH A WEAVERLINE COB CORN GRATE

★ **Save More Cobs**
★ **Keep Out Corn Leaves And Husks**
★ **Extremely High Capacity**
★ **Simple, Rugged Design**
★ **Works Very Well On Hillsides**

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Leola, PA 17540 (717) [illegible]

Located: 4 miles West of New Holland on Route 23, 1¼ miles Northeast of Leola on the [illegible] Road, 1 mile on the right, opposite [illegible]

## USED COMBINES

1980 JD 8820 duals, 4WD
1980 JD 8820 4WD
1979 JD 7720 4WD
1973 JD 7700 4WD
2 - MF 750's
AC G w/15' and 6 row C.H.
2 - JD 843 CH's
1 - JD 444 C.H.
1 - MF 63 C.H.

**Jones Implement Co.**
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**301-228-0922**

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Call the Parts Specialists: 219-342-2955

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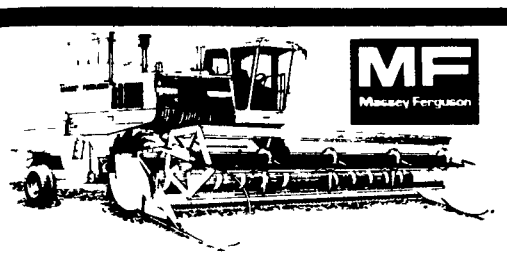


## USED COMBINE SPECIAL
# WAIVER TO SEPT. 1, 1987
## OR 6.9% APR MF FINANCING!

If you're ready to trade up to a pre-owned combine, we've got a combine and a very special offer for you. Come in now and we'll special MF financing. For cash/no trade deal, we can even offer some additional discounts. See us for full details before these offers end.

### USED M-F COMBINES

| | | | | | |
|---|---|---|---|---|---|
| 1980 MF 750 Gear Drive | $27,000 | 1976 MF 750 Hydro 4 Wheel Drive | $19,000 | 1977 A.C. Gleaner "M" | 16,000 |
| 1978 MF 750 Hydro | $18,000 | 1976 MF 760 Hydro V8 | $18,000 | 1967 New Idea 702 Uni System With 3 Row Picker-Husker | $ 7,000 |
| 1978 MF 760 Hydro V8 | $17,000 | 1975 MF 750 Gear Drive | $15,000 | 1980 New Idea 801 Uni-System Diesel Tractor With 4 Wheel Drive Only 1200 Hrs. 818 Grain Combine, 840 Feeder Housing 844N 4 Row Corn Head, 767 Harvester, 774 Cutter Head, and 766 Pick-Up | $45,700 |
| 1978 MF 750 Hydro 6 Cyl. | $15,000 | 1974 MF 760 Hydro 6 Cyl. | $14,000 | | |
| 1978 MF 760 Hydro V8 | $17,000 | 1974 MF 760 Gear Drive | $ 9,500 | | |
| 1977 MF 760 Hydro V8 | $24,000 | 1972 MF 510 Diesel | $ 6,500 | | |
| 1977 MF 760 Hydro V8 | $18,000 | 1972 MF 300 Gas | $ 5,500 | | |
| 1976 MF 760 Hydro V8 | $15,000 | 1971 MF 300 Gas | $ 3,500 | | |
| | | 1969 MF 510 Diesel | $ 4,000 | | |
| | | 1966 MF 410 Gas | $ 2,000 | | |

Above Combines Include Grain Tables, Less Cornheads. 40 Cornheads In 2, 4, 6 and 8 Row Sizes

### USED TRACTORS

| | | | |
|---|---|---|---|
| 1155 Tractor w/Cab | $ 8,500 | 6 Ft. Landmaster Rotavator | $ 400 |
| 1155 Tractor | $10,000 | Ford 10 Ft. 3 Pt. Chisel Plow | $ 1,200 |
| 1155 Tractor | $ 7,900 | Yetter 15 Ft. Rotary Hoe | $ 1,500 |
| MF 1080 Tractor | $ 5,000 | MF 820 Hyd. 19 Ft. Wing Disc | $ 8,500 |
| MF 50 Tractor | $ 2,200 | MF 233 10 Ft. Disc Harrow | $ 4,100 |
| MF 135 Gas | $ 4,800 | MF 33 Grain Drill | $ 650 |
| MF 1150 | $ 5,500 | MF 124 Baler | $ 1,500 |
| Ford County 1164 4 Wheel Drive | $ 6,800 | MF 200 Harvester w/2 Row Corn Head | $ 1,500 |
| IH 574 Dsl | $ 5,200 | NH 717 Harvester w/1 Row Corn Head | $ 800 |
| MF 684 Harvester with 2 Row Corn Head | $12,700 | Caldwell 7 Ft. Pull Type Rotary Cutter | $ 350 |
| Tye 10 Ft. No Till Grain Drill | $10,500 | Mott 6 Ft. Flail 3 Pt. Flail Mower | $ 200 |
| MF 724 Manure Spreader 260 Bu. | $ 6,100 | Mott 6 Ft. Flail 3 Pt. Flail Mower | $ 250 |
| Glenco F17 Transport 12 Ft. Disc Harrow | $ 6,200 | Pequea 710 Hay Fluffer | $ 1,325 |
| MF 351 19½ Ft. Soil Finisher | $ 6,100 | E.Z. Flow Forage Wagon | $ 6,000 |
| Glenco 9 Tooth Soil Savor | $ 5,900 | MF 41 3 Pt. Sickle Bar Mower | $ 2,400 |
| Glenco 7 Tooth Soil Savor | $ 6,100 | Hawk 6 Ft. Rotary Mower | $ 540 |
| Landoll 10 Ft. Soil Finisher | $ 3,200 | Razor 5 Ft. Rotary Mower | $ 400 |
| Brady 12 Ft. Flail Chopper | $ 4,900 | MF 925 Haybine | $ 1,900 |
| Brady 6 Ft. Flail Chopper | $ 2,500 | Farmhand Grinder Mixer | $ 1,700 |
| Brady 6 Ft. Flail Chopper | $ 3,200 | E.Z. Trail 6 Ton Running Gear | $ 550 |
| Shaver Post Driver | $ 1,850 | Gehl Running Gear | $ 250 |
| Danuser Post Hole Digger | $ 640 | MF 246 Loader | $ 3,900 |
| Danuser Wood Splitter | $ 780 | MH Pony Tractor | $ 1,250 |
| MF 880 Hyd. Reset 6-16 Plow | $ 4,650 | IH 1206 Dsl | $ 6,500 |
| MF 345 Spring Reset 3-16 Plow | $ 2,500 | MF 2675 | $12,500 |
| MF 345 Spring Reset 3-16 Plow | $ 2,500 | MF 2705 | $10,500 |
| MF 82 Spring Trip 3-16 Plow | $ 1,200 | Super 90 | $ 4,500 |
| Athens 10 Ft. Offset Disc | $ 1,200 | MF 285 | $ 8,200 |
| MF 66 Spring Trip 3-16 Plow | $ 450 | MF 180 | $ 3,500 |
| MF 62 Rigid Beam 3-16 Plow | $ 250 | 7' Pull Type Rotary Cutter | |

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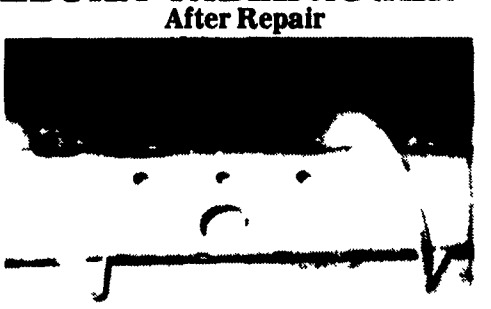
## SCHMIDT "HEAVY DUTY REBUILT TABLE AUGER"

**Before Repair**

**After Repair**



### Damaged Or Broken Combine Table Augers Rebuilt Same As New!

No need to purchase a new auger when you can buy one that's rebuilt! Or have your auger repaired for less than one half of the new auger price.

**Rebuilt augers are guaranteed to run true! "They are jig repaired."**

Call Now For Appointment And Price Quotation To Have Your Auger Repaired

---

**MF Massey Ferguson**

## M.M. WEAVER & SONS, INC.

LEOLA, PA 17540 PH: 717-656-2321

Located 4 miles West of New Holland on Route 23, 1½ miles Northeast of Leola on the North Groffdale Road, 1 mile on the right, opposite Groffdale Mennonite Church.

---

## USED EQUIPMENT

**SPECIAL OF MONTH**
500 Gal. Demco Trailer Sprayer w/40' Boom

### TRACTORS

| | |
|---|---|
| JD 8450, low hrs., w/Folding JD 335 Disk | |
| JD 4630 w/duals, PS, engine overhauled | $17,000 |
| JD 2940, 1275 hrs. | $15,000 |
| JD 2640 w/145 Loader | $14,500 |
| JD A w/227 Picker | $ 1,400 |
| IH 1486 w/Duals | $15,900 |
| IHC w/Equip. | $1,900 |
| IH 350 w/Loader | $1,700 |
| Ford 3000 w/Loader | $4,500 |
| Ford 6000 | $ 2,900 |
| MF 1105 w/Cab | $12,500 |
| AC B w/Attachments | $1,200 |
| AC D14 | $ 2,500 |
| Oliver 1650 Diesel Overhauled | $ 5,500 |
| Long 450 Dsl. | $4,500 |

### COMBINES

| | |
|---|---|
| JD 6620 Sidehill | $50,000 |
| JD 643 Corn Head | $ 8,500 |
| JD 444 Corn Head | $ 4,500 |
| JD 215 Rigid Head | $ 3,500 |

### PLANTERS

| | |
|---|---|
| JD 6R Cons., Dry Fertilizer | $ 7,900 |
| JD 4 Row Consv. Liquid | $ 5,400 |
| JD 4R Cons. w/Dry Fert. | $ 5,900 |
| (4) JD 6R Consv. | Starting at $ 7,500 |
| IH 400, 4R. | $ 1,200 |

### TILLAGE

| | |
|---|---|
| JD BWA 16' Wing Disk | $ 2,200 |
| JD 1600 Pull Type 10' Chisel Plow | $ 1,900 |
| IH 370 12' Disk | $ 1,800 |
| IH 11' Pull Type Chisel Plow | $ 700 |

Assortment of JD & Ford 2-3 Bottom Plows

### HAY & HARVESTING

| | |
|---|---|
| JD 1219 Mower Conditioner | $ 5,900 |
| JD 336 Baler | $ 4,500 |
| JD 14T Baler | $ 1,200 |
| Gehl 1500 Round Baler | $ 3,500 |
| NH 851 Round Baler | $ 4,500 |
| NH 276 Baler | $ 2,500 |
| JD 750 Grinder Mixer | $ 3,500 |
| JD 894 Rake | $ 500 |
| NH 469 Haybine | $ 1,000 |
| IH 720 Harvester w/2 Heads | $ 3,500 |
| Ford Sickle Mower | $ 400 |
| JD 214 Forage Wagon | Coming In |
| (2) JD 965 Wagons w/Hay Racks | $ 1,200 each |

**TOBIAS EQUIPMENT CO., INC.**
Halifax, PA 17032
Phone: 717-362-3132

---

**New Equip.**
NH 316 Baler w/75 Thrower
Cash Price $10,400

Walsh 300 Gal. Sprayer, Centr. Pump, Real Good $1,095

Gehl Forage Wagon $1,095

NH 320 Baler, Good Shape, No Thrower

Case 130 Baler Will Work Best Offer

**PAUL SHOVER'S INC.**
35 Willow Street
Carlisle, PA
717-243-2686

---

**NEW 3 PT. FARM EQUIP.**

* 1 & 2 Bottom Plows
* Discs - 4' - 8'
* Blades 5'-8'
* Box Blades 4'-8'
* Stone Rakes 6'-8'
* Post Hole Diggers
* 1 Row Cultivators
* Dirt Scoops
* Boom Poles
* Rear Carriers
* Wood Saws
* Fertilizer Spreaders
* Concrete Mixers
* Field Cultivators
* Potato Plows
* Hay Rakes & Tedders
* Rotary Mowers 4'-6'
* 5'-6' Finish Mowers
* Bale Carriers
* Sickle Mowers
* Rototillers
* Log Splitters
* Power Winch
* 8 Ton Wagon Gears
* 10' Tilt Trailer
* '78 Dodge Club-Cab, 4WD PU
* '78 TransAm

DEALERS WANTED
Lots of Used Equipment

**KUTZ FARM EQUIPMENT**
Pine Grove, PA
(717) 345-4882

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## TORQUE AMPLIFIERS, ETC.

**Serving Customers Coast to Coast.**

Complete TA assemblies for 706 1586 are priced at $595 and come with a Dana Co Heavy Duty Sprag instead of the usual IH sprag **The Dana sprag is guaranteed for 2 years against failure** Sprag kits (includes sprag gear Dana sprag, and piston carrier) and all items for rebuilding your own TA are available to qualified persons Ramps and carriers for the older style TA's (as in SMTA, 340, 560) are priced at $150 each and carry a 90 day guarantee We have all the parts needed to rebuild your TA in stock at prices that will save you money We also have a shop available for complete TA installation Or you may split your own tractor and bring the center housing to us, which we can rebuild while you wait (approx 4-6 hrs ) We also stock New and Rebuilt Water Pumps, Dynlife Clutches Pressure Plates and PTO Drive Gears (Spline fit into pressure plates) for most IH tractors and combines

**We are in need of TA & clutch cores for rebuilding purposes. If you have not returned your cores, please do so or call us for pickup.**
**Dealers: We are paying cash for cores. If you have quantity, we will pick up.**

Dealer Discounts Available

*** Stop And See Our Display Of Rebuilt And Used Parts At ***
**Ag Progress Days**

**LEAMAN TRACTOR PARTS**
Box 250
Willow Street, PA 17584
717-464-2874

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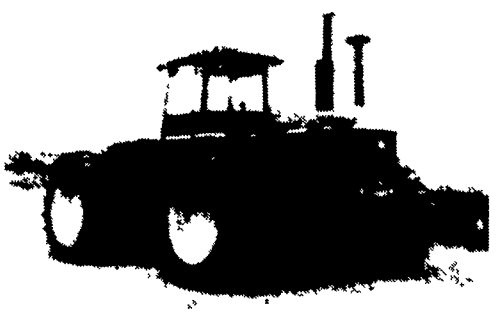


## JOHN DEERE TRACTOR

**$48,000.00**

8640 Model, 600 hours, like new with all factory updates

**Above equipment in like new condition**
**Price negotiable as package deal**

**301-822-2976**

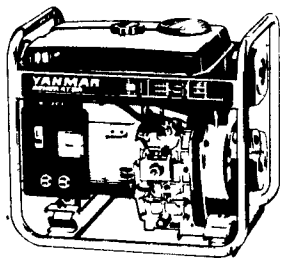
AC 7000 Dsl. Tractor
AC 185 Tractor
AC CA Tractor w/ Cultivator
AC D17 Dsl. Tractor
AC D17 Gas Tractor
Farmall 300 Tractor
Farmall Cub w/1R Cultivator
OMC 450 Grinder Mixer
NI 214 & 218 Single Beater Spreader w/Hyd. Endgate
NI 382 Spreader, Solid Plus
NI 238, 4R Cornhead
NI 707 SOLD r Unit
NI 717 Combine w/713 S Grain Head
NI 324-327 2 RW Corn Picker
NI 324-329A 2 RW Picker & Sheller
NI 838 Uni Husking Unit

**ROY H. BUCH INC.**
Ephrata
717-859-2441

# YANMAR

## Put Your Portable Power On A Diesel Diet

**Introducing the air-cooled diesel gen sets from Yanmar.**



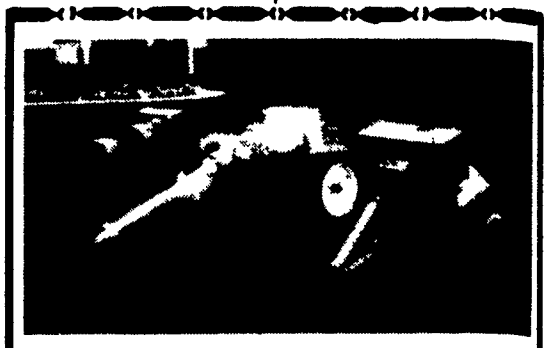

- 9 to 12 hours continuous operation
- Safer fuel handling and storage
- Smooth, quiet, steady power
- Electric start standard
- Choose 2200 & 3300 Watt models

**MARTIN HARDWARE & EQUIPMENT CO. INC.**
Rt 501, 1½ Miles South of Schaefferstown PA
PHONE (717) 949-6817
Mon Wed Sat 8 to 4 Tues Thurs Fri 8 to 8

## WAGON GEARS

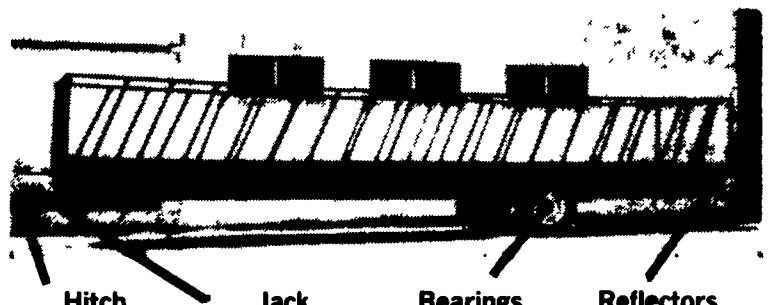
6 ton gear $390
8 ton gear $440
10 ton gear $590
12 ton tandem axle gear $895
Gears w/8' x15" rims 5' tongue
5-7 Adj Tongue $30; 11L Tires w/Tube $50

**AARON M. WENGER**
Box 752 R.D. #3
New Holland, PA 17557
717-656-9876



Three Generators For Sale
15 KW- 30 KW- 35 KW
**$895- $1,895- $2,495**
717-733-8193

## ALL PURPOSE FEED TRAILER All Metal Construction



**Hitch** Slide away hitch to prevent cattle from injury
**Jack** Fold up bulldog for easy hookups
**Bearings** Tapered roller bearings for long lasting & easy towing
**Reflectors** SMV sign for safe towing on highways

* Length 24' & 30' + hitch
* Cattle can eat out of all 4 sides
* For feeding in pasture or barnyard
* Suitable for feeding cows, heifers, steers etc.
* Ideal for feeding from bulk silo or Ag Bag
* Easy to tow behind pickup or tractor.

**Priced At**
24'–$695
30'–$825

**LEROY ZIMMERMAN**
RD 2, Box 148, Ephrata, PA 17522
717-859-3869

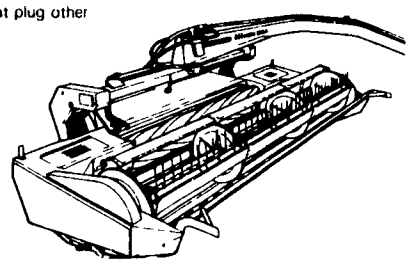
## GO FOR THE QUALITY... GO FOR THE VALUE!

Before you spend too much see the New Idea 12 and 14 foot Hydra Steer Mower Conditioners Get quality you can count on at an affordable price!

- Sure feed constant position cutter bar and conditioning roll design – complete conditioning
- Gentle over shot auger – saves leaves
- Overhead frame – unrestricted crop flow
- Rolls lift and separate to power out slugs that plug other mower conditioners

See us soon!

NI NEW IDEA



### NEW EQUIPMENT

NI #512 hydro steer mower conditioner
NI 279 cut-ditioner
NI 406 hydraulic rake
Kewanee 12' mulcher
Kewanee model 1100 18' disc
Deutz Fahr hay tedders
Pequea Tedders
Westfield grain augers
Bale kicker wagons

### USED EQUIPMENT

MF #33 grain drill
JD 465 tank spreader
Badger 1005 mower conditioner
Gehl #99 forage blower
(2) Int. forage wagons model 110
Badger forage wagons
Badger 2250 gal. liquid vacuum tank
NI 484 round baler

**Special Prices On Hay Equip. Till The End Of August**

**FANCY FURROW FARMS AG EQUIP. INC.**
R.D. 1 Uhler Rd., Easton, PA 18042
Phone 215-252-8828

## Eckroth Bros. Farm Equipment

case IH

RD 2 Box 24A, New Ringgold, PA 17960
**717-943-2131**
7:30-5:30 Mon.-Fri. 7:30-4:00 Sat.

### USED EQUIPMENT

#### USED TRACTORS

MM G-900
JD A w/cultivator
JD Model B w/Cultivators
Farmall H
Case 1270
Ford 8 SOLD Loader
Ford 9N
IH 684, Nice
IH 574 Diesel
IH 154 Cub Low Boy w/3 Pt. Hitch & Mower
IH 340 w/Myers Snow Blade

#### NEW GEHL EQUIPMENT

960 Forage Box w/roof
1540 Forage Blower

#### USED COMBINES

Int. 1440 Combine
Int. 715 Diesel w/4 row narrow head, nice
MF 750 w/grain head
Int. 715, late model
1979 Int. 1460 rotary combine w/6 row corn SOLD ad

#### USED EQUIPMENT

Int. 175 Manure Spreader
Int. 710 5 F Auto. Reset Plow
Int. #56 Blower
Int. 440 Baler w/Thrower
900 Badger Blower
NH #518 Manure Spreader
Ontario Hoe Drill
(2) IH 510 16x7 Comb. Grain Drill
NI 2 Row Narrow, Pull Type Picker w/12 Roll Husking Bed
13' 3 Pt. Chisel Plow

#### UNI EQUIPMENT
New

802C Uni Power Unit-Cummins Engine
868 Harvester
737 Uni Husker
844N 4RN Corn Head
866 Hay Pickup

Used

802 Uni Tractor, 4WD
706 Dsl Uni w/Cab
702 Dsl Uni w/Cab
701 Uni w/Cab
702 Gas Uni w/Cab
737 Uni Husker
727 Uni Husker
717 Uni Combine
729A Uni Sheller
740 Feeder House
744N 4RN Corn Head
725, 3RN Corn Head
768, 3RW/N Harvester Head
767 Super Chopper
763, 3RN Harvester Head
713S, 13' Flex Grain Head
713, 13' Grain Head

#### NEW EQUIPMENT

NI 406 Hyd Hay Rake
Bush Hog 42", 48", 60" & 84" Rotary Choppers
MF 1010, 2WD Compact Turf Tractor
MF 1010 Hydro 4WD Compact Tractor
MF 1010 Gear 4WD Compact Tractor
MF 1020 Gear 4WD Compact Tractor
MF 1030 Gear 4WD Compact Tractor
Arps Model 80, 3 pt Backhoe
Hedlund Martin 1678 Manure Spreader, Demo
Glencoe P320, 12'6" Field Cultivator
Mayrath 40' Elevator

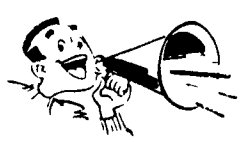
#### USED EQUIPMENT

JD 700 Grinder Mixer
NI 324-327 2RW Corn Picker
NI #10, 1R Corn Picker
(2) NI 3 23 1R Corn Pickers
Gleancoe 9 Shank Soil Saver
NI 404, 6 Wheel Wheel Rake
Gehl CB 800 Forage Harvester w/Hay Head
IH 830 Forage Harvester, 2 Heads, nice
NH #8, 3 Beater Unloading Wagon w/Roof
Derco 18' Steel Bale Rack Wagon, Like New
MF 3 pt Bar rake
Vicon 3 pt 5 Wheel Rake, like new
Speed King 6"x 46' Transport Auger
Wic 7HP Bale Chopper
Weaver Line 330 Silage Cart NICE
NI 402 Hay Rake
NH 256 Hay Rake

We will mix and match to meet your needs.

**FALL SMALL GRAIN**
**Now Booking Orders for the following**
Barley Seed - Maury, Barsoy, Post, Sussex
Wheat - Tyler, SR82, McNair 1003, Saluda
Purina Maxi-Sil Silage Preservative
Wayne Nutra Firm Silage Preservative

Farmall Super C, 2 pt and hydraulic 3 pt w/platform, 2B plow lift boom and Danuser post hole digger
Call for special package price



## DUTCH AUCTION

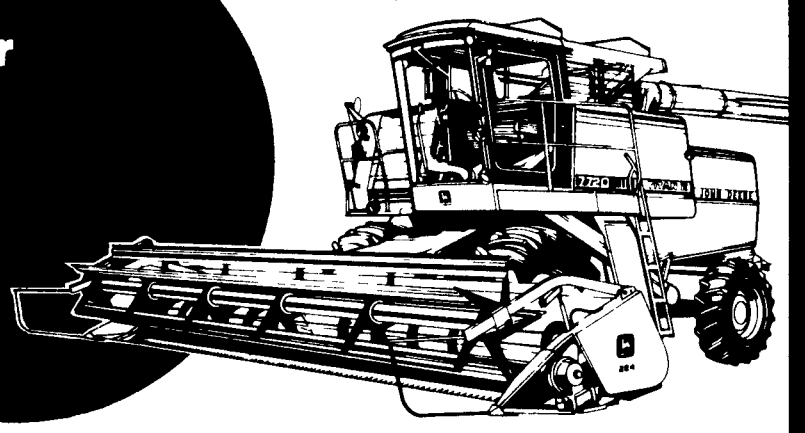
**The price of the following machinery will be reduced each day (except Sunday) until sold.**

| New Equipment | List | Starting Price 3/10 | Daily Reduction | Price Today 8/16 |
|---|---|---|---|---|
| Windrower Hesston 1091 9'3" | $ 9,347.00 | $7,940.00 | $10.00 | $6,590.00 |
| Soil Finisher Glencoe 12'9" | 8,379.00 | 7,482.00 | 8.00 | 6,402.00 |
| Bedding Chopper Goosen 10HP w/Nursery Pack | 3,475.00 | 3,192.00 | 3.00 | 2,787.00 |

| Tag# | Used Equipment | Starting Price 3/10 | Daily Reduction | Price Today 8/16 |
|---|---|---|---|---|
| 1881 | Corn Planter White 5400 4RN w/liquid | $1,948.00 | $ 2.00 | $1,678.00 |
| 1899 | Forage Blower JD 6000 1,000RPM | 1,093.00 | 2.00 | 823.00 |
| 1773 | Field Sprayer Century 200 gal. 8 roller | 893.00 | 2.00 | 623.00 |
| 1965 | Grinder Mixer Gehl 120 Hyd Drive | 3,387.00 | 3.00 | 2,982.00 |
| 1920 | Manure Spreader NHS676 T. Beater Hyd Gate Graetz Web 285 Bu. New Sides | 2,947.00 | 3.00 | 2,542.00 |
| 1933 | Unloading Wagon Kasten 14' 2 Beater w/gear | 1,194.00 | 1.00 | 1,059.00 |
| 1602 | Combine IH 403 w/3RN head & cab | 7,890.00 | 10.00 | 6,540.00 |
| 1920 | Haybine New Holland 495 12 ft Roto Reel | 3,895.00 | 5.00 | 3,220.00 |

**Umberger's Of Fontana, Inc.**
RD 4, Lebanon, PA (Fontana) 717-867-5161
Mon.-Thurs.-7:30-5:00; Fri.-7:30-8:00; Sat. 7:30-4:00

"The sooner you buy the bigger you save" SALE



# John Deere combine savings countdown

Buy your new John Deere combine now and you can save several ways. The sooner you buy the more you save. We've also got some great deals on used combines.

- Interest-free financing* until September 1, 1987, on new and used combines.
- Discount in lieu of finance waiver on new combines only.
- Special factory discounts on combines **and** headers passed on to you.
- Check us for details. Savings vary by model and year.

*Availability of John Deere financing subject to approval of credit These offers may be withdrawn at any time

**See us right away-the sooner the better**

**JOHN DEERE FACTORY AUTHORIZED CLEARANCE**

## Cooper Ent., Inc. — W.N. COOPER & SON, INC.

**Cecilton, Md.** 301-275-2195 — **Chestertown, Md.** 301-778-3464

### QUALITY USED EQUIPMENT

**COMBINES**

- JD 7700 Factory Rear Drive 1977 w/JD 216 Flex Cutter Bar
+ JD 7700 Hydro Rotary Screen 15 ft Platform 1971
+ JD 6600 Hydro Rotary Screen
- JD 7700 15 Platform 1971
- JD 6600 Rotary Screen 2172 Hrs 14' Cutterbar 1974
- JD 7700 Gear Drive Rotary Screen 15 Cutterbar 1975
- JD 7700 Gear Drive Rotary Screen 16 Flex Head 1976
+ AC F2 w/4RN Corn Head

- JD 8820 4wd 2550 Hrs. 1980
- JD 8820 4WD, 1,030 hrs., 1982 w/JD 220 Flex Cutter Bar & JD 843 Corn Head

+ JD 15' Rigid Platform
+ JD 643 CH 6 R Narrow Old Style
+ JD 643 CH 6 Row N New Style

**PLANTING EQUIP**

+ Oliver Drill 13x7
+ AC 330 4 R Planter
+ JD 1240 4 R Plate Planter
+ JD 1240 4 R Plateless w/Fert Planter
+ JD 1440 4 R No Til Planter
+ JD 7000 8RN No Till Liq Fert
- JD 7000 Front Fold No til Coulters Liq Fert

**MISC**

- 1976 Dynahoe 160 Series B, Loader Backhoe, 760 hrs , 2½ yd Loader Bucket. 1½ Backhoe Bucket, Super Sharp Cond $21,500

- JD 675 Skid Loader 85 Hrs new model

- JD 35 Harvester w/2 RW Head
- JD Rotary Hoe 3 Pth
- Century Recycling Sprayer
+ JD 6½ Ft Rear Blade
- JD RM 630 Cultivator
+ Midwest Buster Bar 14
+ JD 346 Wire Tie Baler

- JD 350 Sickle Bar Mower, 3 Pt , Like New, cut 5 acres

+ IH 435 Baler

- JD 336 Baler

- JD 15A Flail Chopper
+ IH 60 Flail Shredder
+ NH 488 Mower Conditioner
+ JD 1209 Mower Conditioner

**TRACTORS**

+ JD 4450 QR Cab 500 Hrs
+ JD 4230, QR 4 Post
+ JD 1250 MFWD

- '85 JD 2550 Cab & Air 41 Hrs , Like New
- '83 JD 4050 w/MFWD, Cab & Air, 400 Hrs

- 76 JD 4430 Cab & Air QR 20 8x38
- 74 IH 1066
- 69 JD 4020 PS
- 71 JD 4620 Cab Dual 20 8 Tires
- 73 JD 4430 Cab & Air QR Dual 18 4x38
+ IH Farmall H w/Loader
- IH 184 Low Boy w/60 Woods Mower
- IH 154 Low Boy w/60 Woods Mower
+ Deutz DX110 Cab Air Sharp 1980
- Deutz DX120 Cab Air 1981 $12,500
+ JD 4(SOLD)l WF

**TILLAGE**

- JD 210 Disk 14 ft 3 in w/Buster Bar
+ IH 18½' Field Cultivator
- Graber 26 Flex Fold Chisel Plow

**+ Cecilton location** **• Chestertown location**

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**NEW**

**NEW HOLLAND 7', 472 HAYBINE**

**CASH PRICE $5,695**

**717-243-2686**

All Steel Frame Hay Wagon, 8x18'

All Sizes, Steel Hay Feeders

24' Feeder On Whls.

Self Locking Panels

**J & L EQUIPMENT**
St. Thomas, PA
**717-369-2637**

---

### USED TRACTORS

New JD 2150
JD 4630 w/4 post roll guard
JD 4430, cab, air, quad range
JD 2510
JD 4320, cab & air
JD 4030, 4 post, roll guard
JD 2940 w/front wheel assist
JD 2940 w/cab
JD 2840
JD 2640 w/146 loader, (sharp)
JD 2510 Gas
JD 820 Diesel
JD 444C SOLD & air, low hrs.
JD 4240, power shift
JD 4240 w/cab & air
JD 3020 diesel, side console
JD 3020 gas
JD 3020 Diesel
JD 310 backhoe loader
JD 400 diesel backhoe loader
IH 3500 backhoe loader

IH 1066
IH 766 w/cab
IH 806 diesel, excellent
Ford 7000
Ford 3400 w/Loader
Ford 555 w/loader & cab
Ford 335 w/loader
AC 210 diesel
AC 185, sharp
AC 200, like new
MF 205, 4WD
MF 50C w/loader
MF 20 w/loader
David Brown 1200
Kubota 4000 w/loader

Int. 7000 Forklift 28' Lift

### USED PLOWS

Int. 5 btm. 16" spring reset plow
White 6 btm. 16" plow

Large selection of 3 to 7 btm. plows
Int. 3 btm. rollover plow

### GRINDERS & MIXERS

NH 357, excellent

IH 1150 $1,450.
Gehl 65

### USED COMBINES

444 JD corn heads
443 & 643 corn heads
JD 3300 combine
1975 JD 4400 diesel

Large selection of JD 2, 3, 4 & 6 row corn heads
MF 1163 6 row head, like new
JD 6600 diesel, rotary screen
JD 4400 gas, rotary screen

### USED PLANTERS

JD 494A
JD 7000 4 row Dry fertilizer

JD 7000 6 row conservation, liquid

Used Moore no-till grain drill

### USED HARVESTERS

Fox 2 row snapper head
Fox Custom 90
NH 718, sharp
NH 3 pt. hitch chopper w/1 row head

Field Queen 3 row wide corn head
Fox 3 row narrow head
JD 3 row narrow belted head

Gehl flail head, excellent condition

### HAY EQUIPMENT

NH 472 haybine
Gehl 1090 haybine
Gehl 1500 Round baler
NH 276 baler, excellent
JD 346 baler, excellent
NH 315 wire baler, nice
NH 273 w/thrower
M-C 7' rotary sythe, used on 100 acres

Large selection of used rakes
NH 1010 Stacker Bale Wagon
NH 1032 Stacker Bale Wagon
NH 1037 Stacker Bale Wagon

NI 244 tandem spreader, like new

### MISCELLANEOUS

JD 58 loader
Int. 510 grain drill
Large selection of smaller discs
Danco hydraulic rear unloading silage wagon on tandem running gear
Badger 16' Forage Wagon, 3 Beaters w/roof, tandem running gear

NI 2 row narrow, 12 roll bed
NI 323 1 row picker
NI 324 picker, like new
NI 2 row wide, 12 roll, $3,000.
Kewanee hydraulic fold 18' disc
Big V snow plow 12' wide

---

## D & R EQUIPMENT INC.

Ringoes, New Jersey (201) 782-5082

# WENGERS INC.

251 SOUTH RACE STREET, MYERSTOWN, PA 17067

TELEX 316290

PHONE: 717-866-2135

NIGHTS, PHONE: 717-866-7147 or 717-273-9089

## JOHN DEERE TRACTORS

| | |
|---|---|
| A Runs Good-Late Model | $1000 |
| A w/Widefront-For Collector | $1500 |
| 620-3 Pt.-PS-Runs Good | $2500 |
| 420 w/Mower-3 pt.-WF-RCP | $3400 |
| 435-GM Diesel | $3500 |
| 301-Gas-As Received | $3800 |
| 1010-Gas-Cult.-RCP | $3900 |
| 730 Gas-Try-RCP | $3900 |
| 730 Diesel-Try-3 pt.-RCP | $3900 |
| 430-PS-3 pt. Cult.-For Collector | $4500 |
| JD 301-WF-3 pt.-1971-RCP | $4800 |
| JD 301 w/Mower-Clean | $4900 |
| 4020D-Diff.-1967-As Is | $5000 |
| 830-DE-2 Cyl.-Nice | $5500 |
| 3020 Gas-Console-WF | $5900 |
| 3020 Diesel-WF | $5900 |
| 830-DE-2 Cyl.-Nice | $6500 |
| 2640 Orchard | $6900 |
| 4020-Very Nice-RCP | $7500 |
| 2440-RCP | $7900 |
| 3020 D-SC-PS-DIFF, WF | $7900 |
| 5020-Duals | $7900 |
| 4230-4 WD-Cab-Quad | $18,500 |
| R-80-820-830 In Stock | Call |

## FORD TRACTORS

| | |
|---|---|
| 9N w/Loader | $2500 |
| 8N-Nice | $2900 |
| 8N-Very Nice | $3400 |
| 4000-Utility-Gas-PS-RCP | $4900 |
| 5000-Diesel | $4900 |
| 3400 w/ldr.-Forks-RCP | $4900 |
| 4000 w/Loader-Gas | $4900 |
| 5000D | $5900 |
| (2) 3000-Gas-PS-or Diesel | Each $5900 |
| 8000-1972 | $6000 |
| 2000 w/Mower-CLEAN | $6500 |
| 4400 w/ldr.-RCP | $6900 |
| 6600 Diesel-Flat Deck | $7900 |
| 3550 w/ldr.-RCP | $7900 |
| 8700-Dual Power | $8900 |
| 9700-ROPS-Wts. | $9700 |
| 420 w/ldr.-RCP | $9900 |
| 6500 w/ldr.-RCP | $11,500 |

## FARMALL TRACTORS

| | |
|---|---|
| H | $950 |
| H-Fenders-Clean | $1500 |
| Super A w/Cult. | $1900 |
| 404 | $1900 |
| Cub-Late Style | $2500 |
| Super C w/Cult-Sharp | $2600 |
| 100 w/Cult. | $2700 |
| 404 w/Mower | $2700 |
| Cub 154 LowBoy w/Mower | $2900 |
| Super AV w/Cultivator-RCP | $2900 |
| 444-Diesel-WF-3 pt.-PS | $2900 |
| 504 Diesel-Hi Clearance | $2900 |
| 560-D-WF-FH | $3500 |
| 350 Utility w/Rotary Mower-RCP | $3600 |
| 140 w/Woods Rotary Mower-RCP | $3900 |
| 424-Diesel-Utility-RCP | $4500 |
| 560D-Clean-Wide Front-FH | $4500 |
| 544 w/Ind. Rotary Mower-RCP | $5100 |
| 756-D-WF-Nice | $5600 |
| 684-Cab-1980-2300 Hrs. | $6100 |
| 656D-Hydro-Clean | $6500 |
| 574-Cab | $6700 |
| 784-Cab-3500 Hours-1978 | $6900 |
| 86 Hydro-Hi-Clear-Diesel-RCP | $7900 |
| 886-ROPS-Bad TA-1976 | $7900 |
| 1466-Cab | Coming In |

## OLIVER & WHITE TRACTORS

| | |
|---|---|
| 88-Wide Front-For Collector | $2900 |
| Super 55 | $2900 |
| 1855-CAB | $5900 |
| 4-150 Duals, Cab, 3 pt. PTO-1977 | $10,500 |

## CASE TRACTORS

| | |
|---|---|
| 1070 w/Cab-As Is | $4500 |
| 930 CK Standard-Clean | $4900 |
| 970-Sharp | $6900 |
| 2670-Cab-Duals-3 pt.-PTO-RCP | $13,900 |

## MASSEY FERGUSON TRACTORS

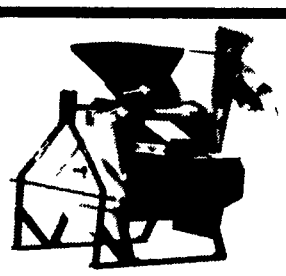
| | |
|---|---|
| 22 w/Loader-3 Pt. | $2000 |
| 35 Gas-As Received | $2700 |
| (2) 35 Gas-WF-3 pt. | $3400 |
| 40-Gas-Utility-3 pt.-RCP | $3900 |
| 65 Utility Diesel-Rebuilt Multi Power | $4400 |
| 35-Gas-RCP | $4500 |
| 65 Gas w/Loader-Nice | $4500 |
| (2) 1080D-1969 & 1972 | Choice $4600 |
| (2) 50-GAS-RCP-Sharp | Choice $4800 |
| 65 Gas-PS-RCP | $4800 |
| 35 GAS-P.S.-RCP | $4900 |
| 165 Diesel-Multipower | $5400 |
| MF 165 Gas-WF-3 pt.-RCP | $5900 |
| 150-Sharp-RCP | $5900 |
| 1105-Diesel-WF-3 pt.-RCP | $6900 |
| (2) 30 w/ldr.-As Received | $6900 |
| 40 B w/ldr.-RCP | $7900 |

## IMT, LONG, KUBOTA, VALPADANA & DEUTZ TRACTORS

| | |
|---|---|
| Long 460-1978-As Is | $2500 |
| Kubota B6100-2WD | $3400 |
| Kubota B7100 HST w/Mower | $4400 |
| Kubota B7000-4WD-Rotovator | $4700 |
| Kubota L185 w/Mower | $5600 |
| Valpadana 20/26 4WD-DEMO | $5900 |
| Kubota L235-4WD | $6900 |
| Kubota B6000-4WD-Loader-Tiller | $6900 |
| IMT 539-New | $6995 |
| Kubota L275-4WD w/Mower | $8800 |
| Valpadana 4033-4WD-DEMO | $8800 |
| Long 360 4 WD-New-Was $13,690 | $9600 |
| Long 460 4 WD-New-Was $15,373 | $11,000 |

## ALLIS CHALMERS TRACTORS

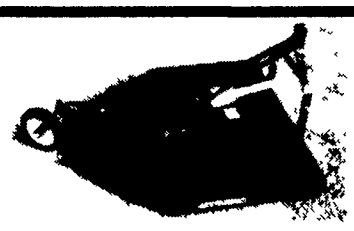
| | |
|---|---|
| G-RCP | $1900 |
| 200-No Cab-Nice | $5500 |
| 185-Wts.-Very Nice | $8500 |
| 185 Cab-Air-1978-2200 Hours | $9900 |



## NEW CORNSHELLERS 3 Pt. & Pull Type

- 3 Pt. Economy ..... $795
- 3 Pt. Standard ..... $1395
- 3 Pt. Deluxe ..... $1695
- Pull Type ..... Add $100

Pictured Is Standard Model

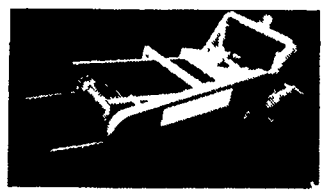


## NEW 5 FT. 3 PT. ROTARY MOWERS

SPECIAL '449

40" to 84" Mowers In Stock
Both Pull-Type & 3 Pt.
At Good Prices

## NEW 3 PT. 1 ROW P.T.O. POTATO DIGGERS



Complete w/P.T.O. Shaft, Side Cutters, Adj. Rubber Gauge Wheels.

Special **$1,495**

### TRUCKS

| | |
|---|---|
| White Truck Tractor | $2700 |
| 1966 Chevy C60 Dump | $3900 |
| 1968 Dia Reo 1x Dump | $4900 |
| 1981 IH 1654 C&C | $11,000 |

### SPREADERS

NH Tandem Axle-250 Bu
JD R
NI 18
NH 365 Tank Spreader
IH Cub
NI 12A

### FIELD CULTIVATORS

JD 18' 3 pt.
Glencoe 13' 3 pt

### POTATO EQUIP.

Iron Age 2X Planter
1 Row Planter
2 Row Digger
1 Row Digger-3 pt

### DUALS

18 4x34 MF Axle
18 4x34 Snap On
20 8x38 Axle
18 4x34 Axle
18 4x38 Snap On
18 4x38 Ford Axle
20 8x38 Snap On

### FORAGE WAGONS

Fox 625
Gehl on Truck

## CONSTRUCTION EQUIPMENT

**NEW 1986 TRAILERS ON SPECIAL**

- 2 Axle, 4 Ton, 14 Ft **$1,495**

### FORKLIFTS

| | |
|---|---|
| 4000 lb , Solid Tires, Side Shift | $1000 |
| 3 pt Attach-NEW | $2500 |
| Clark 4000 lb | $2500 |
| Datsun 9000 lb | $3900 |
| Oliver 55-RT | $4900 |
| Clark 8000 lb -RT | $5900 |
| White 4000 lb | $6900 |
| Ford 4000-RT | $6900 |
| TCM-6000 Lb | $7900 |
| Hyster 10 Ton-RT | $8900 |
| TCM 5000 Lb | $9900 |
| Komatsu 5000 lb | $9900 |
| MF 2200-21'-RT | $11,500 |
| White 21' | $11,500 |
| AC 1600-21' | $12,500 |
| Sanderson SB70 | $16,500 |
| JD 480B-28' | $19 500 |

### DOZERS

| | |
|---|---|
| AC HD3-6 Way | $5000 |
| JD 1010 | $5900 |
| JD 350 Cab | $9,500 |
| JD 450-6 Way | $11,500 |
| JD 450-6 Way | $12,500 |
| JD 350B-6 Way-Winch-LGP | $12,500 |
| JD 450B-6 Way | $13,500 |
| IH TD7C-6 Way | $14,500 |
| JD 450 6 Way w/Hoe | $14,500 |
| IH TD15C | $19,500 |
| Cat D4D-P S | Coming In |

### SKID STEER LOADERS

| | |
|---|---|
| Ford | $1900 |
| Case 1737 | $4900 |
| Melroe 720 | $6900 |

### MISC. CONSTRUCTION

| | |
|---|---|
| (60) Used Hoe Buckets | From $100 |
| (30) Loader Buckets | From $100 |
| (30) Set Forklift Forks | From $300 |
| Pull Type Grader | $900 |
| JD 350 Winch Attach | $1900 |
| Essick 3-5 Ton Roller | $2500 |
| Knuckle Boom Log Loader Assy | $3500 |
| AC D Grader | $5600 |
| Joy 185 Diesel Compressor | $5900 |
| Ditch Witch R65 w/Hoe | $8500 |
| AC 700 w/Log Loader | $9500 |
| Rex 3-50 Compactor | $39,500 |

### LOG SKIDDERS

| | |
|---|---|
| Ford Log Hog | $2800 |
| (2) Franklin | Each $4200 |
| IHS7B | $6500 |
| Franklin 132XL | $6500 |
| JD 540 A | $11 500 |
| JD 440C 1978 | $18 800 |
| JD 640 | $24 900 |

### TRACTORS WITH LOADERS

| | |
|---|---|
| MH 22 | $2000 |
| Ford 9N | $2500 |
| Case 420 | $2500 |
| MF 65 | $4500 |
| Ford 4000 | $4900 |
| Ford 3400 | $4900 |
| Satoh Buck 4 WD | $5900 |
| MF 300 | $5900 |
| Ford 4400 | $6900 |
| (2) MF 30 | $6900 |
| Kubota B6000-4WD | $6900 |
| Ford 3550 | $7900 |
| MF 40B | $7900 |
| Ford 420 | $9900 |
| Valpadana 4033-4WD DEMO | $10,800 |
| Valpadana 4038 4WD DEMO | $11,300 |
| Ford 6500 | $11,500 |

### BACKHOES

| | |
|---|---|
| Linkbelt LS52 | $3000 |
| Ford 2000 | $4900 |
| IH 2400 | $7500 |
| Case 580CK | $7900 |
| IH 2500B | $9500 |
| MF 30 | $9500 |
| JD 310 Cab | $12,500 |
| (2) JD 410 Cab-Each | $13 500 |
| JD 410-Cab | $14,500 |
| AC 715-Rops | $14,500 |
| Case 580F-Cab | $15 500 |
| (3) Case 580F-Cab | Coming In |
| Ford 4500 | Coming In |
| JD 300 | Coming In |
| JD 400 | Coming In |
| JCB Cab | Coming In |

### TRAILERS

| | |
|---|---|
| 1986 1x1 Ton | $695 |
| 1986 2X 4 Ton | $1500 |
| 1986-12 Ton | $5800 |
| 1977 44' Movall Drop Deck | $11,900 |
| 1977 Phelan 25 Ton Double Drop | $13,300 |

### RUBBER TIRED LOADERS

| | |
|---|---|
| Hough H25 | $1500 |
| Michigan 75 Series 2 | $9,500 |
| JD 644B | $19,500 |
| Ford A62-1980 | $25,000 |
| Ford A64 | $25,000 |
| Cat 920-1978 | $27,500 |
| Fiat 545-Cab | Coming In |
| Hough 65-Cab | Coming In |

### CRAWLER LOADERS

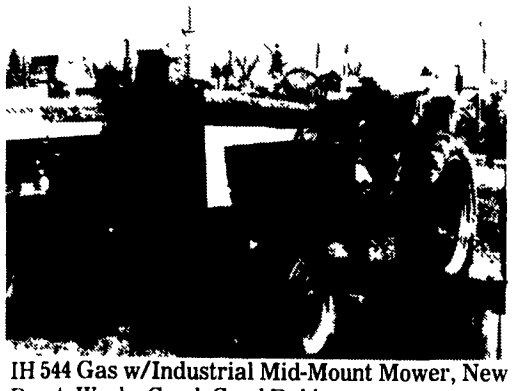
| | |
|---|---|
| Case 1150 w/Ripper | $7500 |
| JD 350-Cab-Ripper | $9500 |
| IH 150 | $9500 |
| JD 450 Cab | $10,500 |
| IH 500C w/Hoe | $10,800 |
| Cat 951A | $10,900 |
| JD 450 w/Hoe | $12,500 |
| Cat 955H | $12,500 |
| Cat 951 | $13,500 |
| (2) JD 450 w/Hoe | $13,500 |
| (2) JD 450 w/Hoe | $14,500 |
| (2) Komatsu D55 Cab | $19,500 |
| Cat 941 w/4 in 1 bkt | $22,500 |
| Cat 955K | $22,500 |
| Cat 941-Cab-Ripper | $25,000 |
| (2) Cat 951 | $25,000 |
| JD 450-Cab-Hoe | Coming In |
| (2) Case 850-Cab | Coming In |
| JD 350 | Coming In |
| Komatsu D31-Cab | Coming In |
| MF 200 w/Hoe-Cab-4-in-1 | Coming In |
| (2) Cat 941 Cab-4 in 1 | Coming In |
| MF 400-Cab-Ripper | Coming In |

**EXCELLENT SELECTION OF AFFORDABLE USED EQUIPMENT**

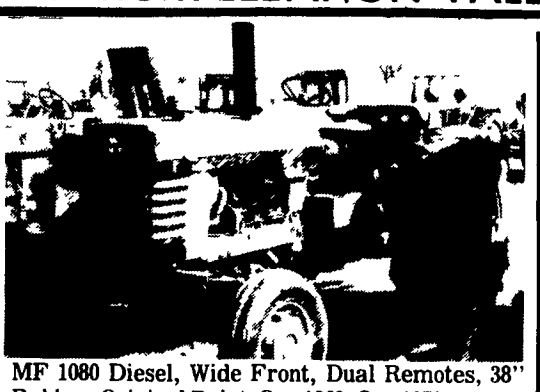
# WENGERS INC.

251 SOUTH RACE STREET, MYERSTOWN, PA 17067
PHONE: 717-866-2135
TELEX 316290
NIGHTS, PHONE: 717-866-7147 or 717-273-9089

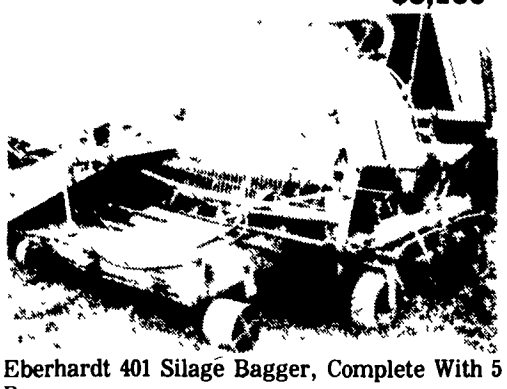
## 1 MILE FROM LEBANON VALLEY AIRPORT



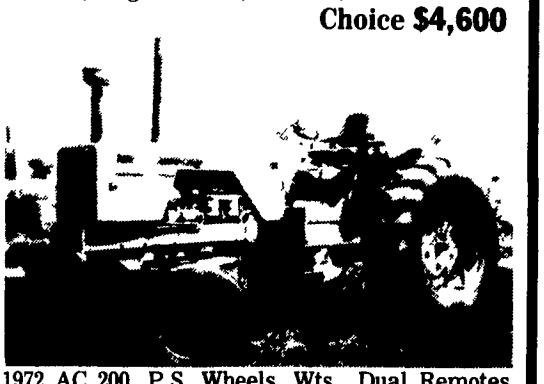
IH 544 Gas w/Industrial Mid-Mount Mower, New Paint, Works Good, Good Rubber.
**$5,100**



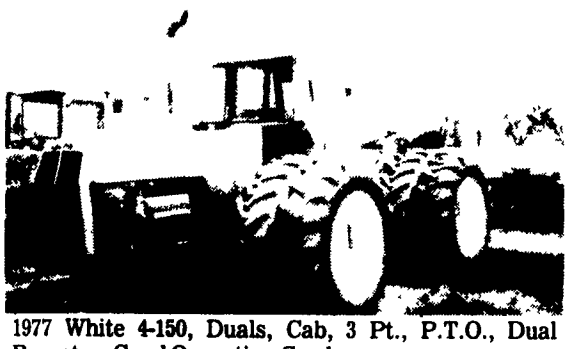
MF 1080 Diesel, Wide Front, Dual Remotes, 38" Rubber, Original Paint, One 1969, One 1972
**Choice $4,600**



Eberhardt 401 Silage Bagger, Complete With 5 Bags.
**Choice Of 2 $4600 Each**



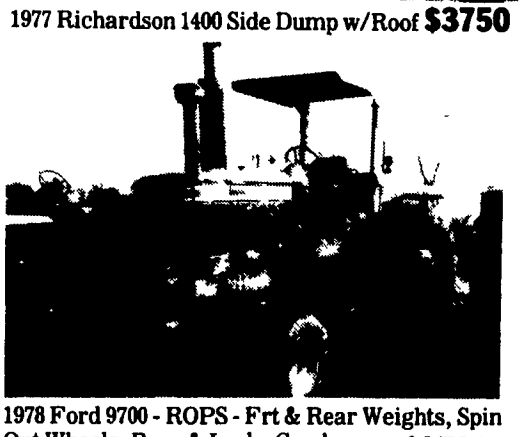
1972 AC 200, P.S. Wheels, Wts., Dual Remotes, Runs Decent.
**Very Reasonable $5,500**



1977 White 4-150, Duals, Cab, 3 Pt., P.T.O., Dual Remotes, Good Operating Cond.
**$10,500**

1977 Richardson 1400 Side Dump w/Roof **$3750**

IH 756 Diesel, Dual Outlets, Dual PTO, Nice Paint
**ONLY $5,600**



1978 Ford 9700 - ROPS - Frt & Rear Weights, Spin Out Wheels, Runs & Looks Good.
**$9700**

IH 684, 1978, 2300 Hrs., TA
**$6,100**

## NEW EQUIPMENT SPECIALS

**SITREX P.T.O. TEDDERS**
2-Wheel Pull or 3 Pt
**$995**
4 Wheel-**$1795**

### ROTARY MOWERS
40" 3 pt Heavy Duty ..... $495
4' 3 pt Standard Duty ..... $449
4' 3 pt Heavy Duty ..... $495
5' 3 pt Standard Duty ..... $449
5' 3 pt Heavy Duty ..... $495
6' 3 pt Heavy Duty ..... $695
7' 3 pt Heavy Duty ..... $1395
4' pull Heavy Duty ..... $595
5' pull Heavy Duty ..... $695
6' pull Heavy Duty ..... $895
7' pull Heavy Duty ..... $1495
4' 3 pt Estate ..... $1195
5' 3 pt Estate ..... $1295
6' 3 pt Estate ..... $1695

### SICKLE BAR MOWERS
6' 3 pt pitmanless ..... $1495

### SCRAPER BLADES
6' 3 pt Heavy Duty ..... $175
7' 3 pt Heavy Duty ..... $195
8' 3 pt Monster Duty ..... $695

### CEMENT MIXERS
3 pt 9 cu ft. ..... $495
3 pt 12 cu ft. ..... $550
3 pt 20 cu ft. ..... $695

### STONE RAKES
6' 3 pt. ..... $495
7' 3 pt. ..... $550
8' 3 pt. ..... $595

### HAY TEDDERS
2 Wheel Pull PTO ..... $995
2 Wheel 3 pt PTO ..... $995
4 Wheel Pull PTO ..... $1795
4 Wheel 3 pt Ground ..... $465

### HAY RAKES
4 wheel 3 pt. ..... $465

### WOODSAWS
3 pt PTO 30" ..... $450

### ROTOVATORS
34" 3 pt. ..... $875
42" 3 pt. ..... $875
60" 3 pt. ..... $1275
66" 3 pt. ..... $1375
72" 3 pt. ..... $1475
82" 3 pt. ..... $1975

### LOADERS
3 pt snow & dirt bucket ..... $695

### SEEDERS
PA 100 3 pt ..... $275
PA 250 3 pt ..... $285
PA 300 3 pt ..... $295
PA 400 3 pt ..... $395
PA 500 3 pt ..... $450

### LANDSCAPE BOXES
3 pt 5'6" ..... $495
3 pt 6'. ..... $495
3 pt 7'. ..... $595

### TRAILERS
1986 1 ton-9' Bed ..... $695
1986 4 ton 14' ..... $1495
1986 4 ton 16' ..... $1595

### POST HOLE DIGGER
3 pt 6", 9", 12", HD ..... $495

### CHISEL PLOWS
3 pt 9 tooth spring loaded ..... $595

### DIRT SCOOPS
3 pt Reversible ..... $395

### POTATO PLOWS
1 row 3 pt ..... $95

### DISC HARROW
5'6" 3 pt 18" Combo ..... $495
6'6" 3 pt 18" Combo ..... $495

### SUBSOILERS
3 pt 1 shank HD ..... $369

### BALE MOVERS
3 pt 3 tine HD ..... $379

### FORKLIFTS
3 pt tilt cyl HD ..... $2495

### WAGONS
6 ton ..... $450
8 ton loaded ..... $550
10 ton loaded ..... $625

### CULTIVATORS
1 row 3 pt ..... $149

### BOOM POLES
H.D. 3 pt. ..... $149

### COMBINE SALE
**All Combines Have Cabs**

- JD 3300 D-R Screen-QT-Base ..... $7420
- IH 615G-R Screen-QT-Base ..... $5940
- White 7300 G-QT-Base ..... $5870
- MF 300 G-QT-Base ..... $4860
- MF 750D-QT-Base ..... $9340
- Gleaner F Diesel w/Grain & 435 Corn ... $5980

**CORN & GRAIN HEADS AVAILABLE**

**100 COMBINE CORNHEADS**

**HARVESTER HEAD SPECIALISTS (75 In Stock)**

### LOADERS
Loader Off D.B. 990
Ford Off 8N
Freeman Off 880 Brown
AC Off 1600
Souders Loaders
IH for 300 Utility
IH 2250 Loader
IH 2050 Loader
JD 158
Loader Off 800 Ford
Ford 5000 Loader
IH 2000 Off 706

### CORNPLANTERS
IH 2X Fast Hitch
Ford 6X Pull
JD 246 2x3 Pt
IH 56 - 2 Row
Ford 2x3 pt.
MF 2x3 pt.-NEW
Oliver 2x3 pt.

### ROLLBARS & CABS
IH 2 Post w/Roof
IH 806 Cab
Case 1070 Cab
AC 7000 Rollbar
JD 4020 Cab
DB 1200 Cab
(30) Combine Cabs
Case 990 Cab
AC 7030-7050-Cab
MM G1000 Vista Cab
Ford 4000 Cab
Case 930 Cab
Ford 6600 Cab
JD 4320 Cab
Ford 9600 Cab

### SICKLE MOWERS
JD 9 3 pt
Ford 3 pt.
IH Cub
IH FH
Sitrex 3 pt. dynabalance

### NEW IDEA UNI SYSTEM ATTACHMENTS
731 4x40 Cornheads
743N Cornhead
766 Pickup Head
Extra Grain Heads
728 4x30 Corn Head
760 Harvester
3x30 Harvester Head
705 Diesel Tractor
2x40 Harvester Head
QT Throat Assy
710 Combine
725 3RN Cornhead
701 Tractor

### BALERS
Extra Throwers
JD 214 Wire Tie
NH 850 Round
NH 851 Round
Oliver 520

### DISC'S
IH 10'-11'-13' Transports
JD Plowing Disc-10' & 12'
KK 6' 3 pt.
IH 480 w/Wings-24'
IH Cub Disc
JD 10' RWA Transport
Bush Hog 16' w/Wings
JD KBA 8' pull

### CHISEL PLOWS
JD 10' Pull
Landoll 10' Pull
5 Tooth V Chisel (3 pt.)
Lely 12' Roterra
1 tooth 3 pt subsoiler
5'-8'-9'-10'-12' -14'-16' 3 pt.

### HAYBINES
NH 478-7'
Hesston 1070-7'

### PLOWS
AC 3xSC
JD (3 pts) - 2x-3x
JD (Semi) - 4x-5x-7x
JD (pull) - 2x-4x Reset
JD 1x Reset 2500 Attach
Oliver (3 pts) 2x-3x
Oliver (pull) 3x
White (semi, Reset) 4x-5x
IH 1x (FH & MTD)
IH 2x, 1 pt, FH & 3 pt
IH 3x 3 pt
IH 4x pull
IH 4x Reset (On Land)
IH 550 5x (Semi)
IH 710 5x (Semi)
Ford 2x (3 pts)
MF 880 5x (Semi)
MF 2x Rollover
Oliver 4x3 pt
JD 5x Rollover
Oliver 3x Rollover
JD 3X Rollover
IH 3X Rollover
IH 4X Rollover

### CULTIMULCHERS
JD 930 - 12' 3 pt

### MISC. EQUIP.
Spike Harrow
CORN DRAGS
IH Cub & 140 Attachments
Hesston 10W Mower
8' FH Blade
10' & 12' Lime Drills
IH Side Dressers
8' to 12' Spring Tooth Harrows
Tandem Axle Fert Spreader
Hesston 30 Mover
(3) Bale Wagons
(2) Hesston 10 Stackers
(2) Danuser PHD
Fox 660 Blower

### ROTARY MOWERS
JD 5' Pull
Modern 7' Pull
Ford 7' Pull
Woods C80 Pulltype
Woods 6' Offset, 3 pt
IH 50-4X stalk Chopper
JD 8' Pull

### CULTIPACKERS
9'-12'

IH 56 Blower
Gehl 95 Grinder Mixer
(6) Cornpickers
(7) Harvesters
Transplanters
Hay Rakes
Cornshellers
Richardton 1400 Side Dump
Dual 5000 Side Dump
GT Side Dump
Papec Feed Mill
(2) JD 300 Elevators
(2) Grain Augers
IH 1350 Grinder Mixer
Richardson 1200 Side Dump

### CULTIVATORS
AC D14-D15 2x
Ford 2x
JD 2x (H & 420)
JD RM6
JD 6x Frt Mtd
IH Cub & Super A, A
IH C-H-M 2x Frt
IH 461 Ftr. Mtd. 4x
IH 153 4x 3 pt.
1x3 pt - New

- (1) Used Badger 2250 gallon spreader manure tank
- (1) 10' Used Badger manure pump
- (1) Used Badger 2250 gallon vacuum spreader tank
- (1) Used 16' Badger forage box, tandem axle
- (1) Used 14' A. SOLD ge box, very cheap
- (1) New 3300 gallon Badger manure tank, large discount
- (2) New 16' Badger tandem forage boxes
- (1) New Badger forage blower w/magnet
- (1) JD 310 Backhoe w/cab, good condition
- (1) Diamond T 12 ton dump truck, 1967 model, good shape
- (1) General trailer, 12 ton, excellent
- (1) CL40 Ford skid loader w/manure scraper, 2 buckets & round bale spear
- (1) 1976 Ford 250 Van for parts, good motor & trans., all parts available
- (2) Van Bench seats fits Ford or Dodge

**Cecil Dairy Service**
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Rising Sun, MD 21911
**301-658-6923**

# Tote.n.Stak

**The Multi Purpose 5th Wheel Trailer**

It's a Bale Carrier... It's a Shredder/Feeder... It's a Flat Bed Trailer... It's a Stock Trailer!

Largest Hesston and Vicon dealer in Central PA Specializing in round balers & round bale moving

**Spin Off Round Bale Feeder**

- One person from-the-truck total hydraulic operaton
- Pick up, haul, stack and retrieve bales
- Optional tractor-mount hitch available
- Field tested on thousands of big round bales under all conditions

**Special Prices At Ag Progress Days**

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**Hesston Vicon Brillion Woods**
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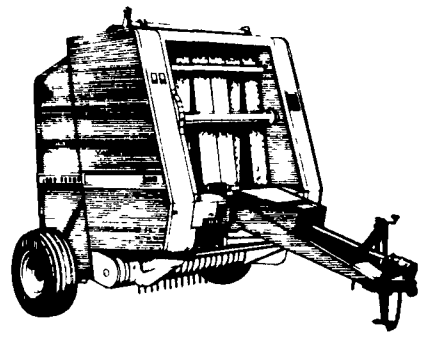
# ON OUR LOT TODAY... ON YOUR FARM TOMORROW

**See us about immediate delivery on these John Deere machines**

# MAKES COMPACT BALES UP TO 650 POUNDS



■ Lean and trim in design, the new 330 Round Baler makes small, easy-to-handle packages—up to 650 pounds.

■ The 330 Round Baler has six features in common with the John Deere 430 and 530 Balers. . .the 330 is lower priced.

■ Bale shape and size indicators are mechanical. An audible alert indicates when the bale has reached a pre-set size. The operator controls hydraulic twine wrap and bale release from the tractor seat.

LEADERSHIP YOU CAN COUNT ON

**Finance Waiver Now Available On All Haying Equipment Till March 1, 1987**

JOHN DEERE

## USED EQUIPMENT SPECIALS

### TRACTORS

- 4020 w/side console, excellent shape
- 4020, power shift, side console
- 2640 Utility w/reverser trans.
- 2240 Utility
- 263 SOLD ility
- 3020, power shift, side console w/narrow front
- 301 SOLD ility
- 4440 Quad range w/4 post
- Case 2290 w/cab
- AC 19 SOLD ctor
- Int. 686
- Int. 806

### IMPLEMENTS

- 346 baler w/ejector
- 24T bal SOLD 0 ejector
- 1219 mower conditioner
- 1209 mower conditioner
- NI 9' cut-ditioner
- 479 NH haybine
- 8300 grain drill, 21x7
- Fox self pro lled 6650 forage harve r w/ heads, cab & heater SOLD

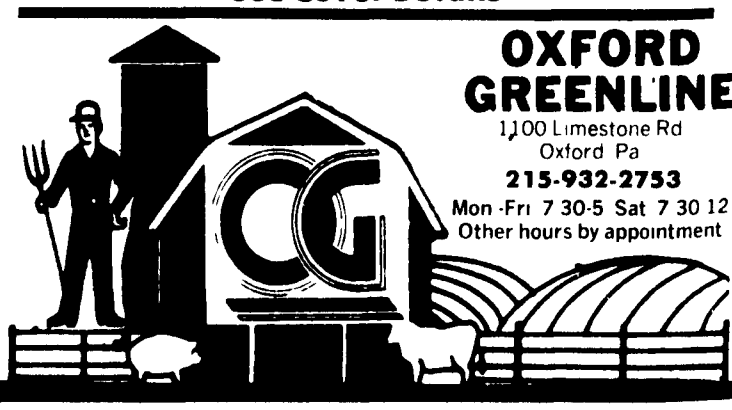
### COMBINES

- 6620 Sidehill w/heads
- 3300 w/heads
- 7720 combine 4WD w/heads

### PLANTERS

- 7000 6 row conservation planter

**Financing Available On All Used Equipment**
**See Us For Details**



**OXFORD GREENLINE**
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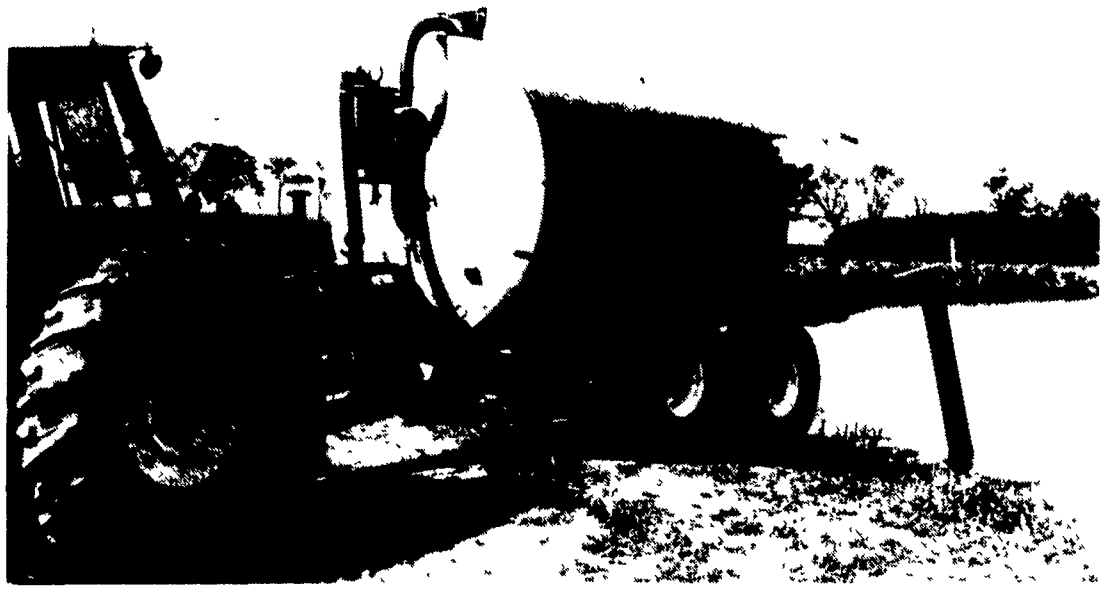
THE 2900

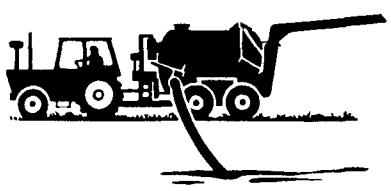
# SLURRY BUGGY



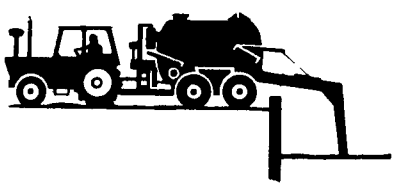
**HAUL LIQUID MANURE ALL DAY WITHOUT GETTING OFF THE TRACTOR SEAT USING THE SLURRY BUGGY EASY LOADER.**

## THE SLURRY BUGGY IS DESIGNED FOR YOUR MANY LIQUID MANURE HANDLING JOBS.

Loading out of pit with ground bank

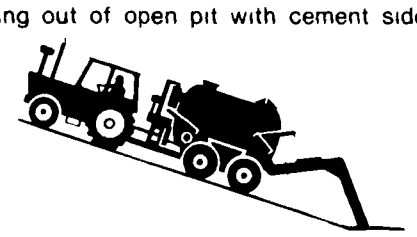


Using 6" side valve and hose for pumping out open pits or under building

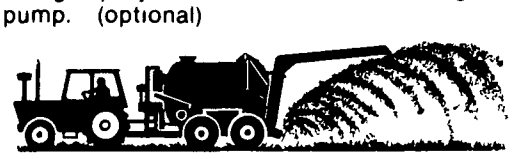


Loading out of open pit with cement sides

Using top hydraulic manhole for loading with pump. (optional)



Backing down ramp to load using 8" boom



Unloading with your pick of three different spreading patterns or spring loaded injection

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**SLURRY BUGGY EQUIPMENT COMPANY**
148 WEST METZLER ROAD, RD#2,
EPHRATA, LANCASTER COUNTY, PA 17522
PHONE (717) 859-3869

## FARM EQUIPMENT

JD 4230, fender tractor, dual hyd., $8500. 814-793-4293.

USED TRACTOR PARTS, also rebuilt clutches and torques. We ship UPS. Hill-T Farm Sales & Service, 4295 Richmond Palestine Road, New Madison, Ohio 45346. 513-548-0718.

Combines, corn heads, grain heads-inventory moving fast. It's hard to keep up with advertising. Wholesale prices only. Call us. Larry Stalter, "The Combine Man". 219-862-2151

White 2-105 Fender tractor, $7500 814-793-4293

AC HD11 direct start dozer w/blade, $7500 814-793-4293.

JD 4430, 4 post roll guard, power shift, new rubber. 814-793-4293.

JD 4520, fender tractor, power shift, dual hyd., $6500. 814-793-4293.

JD 6030, factory cab, 38" rubber, dual hyd., 176 hp, $10,000. 814-793-4293.

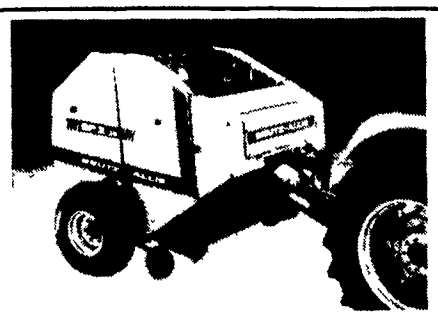
Oliver 1755 w/3 speed trans., WF, $5500. 814-793-4293.

AC 7000 Fender tractor, 1100 hours, excellent condition, $8500. 814-793-4293.

AC D19, 3 pt. WF, 814-793-4293.

KHD DEUTZ ALLIS

# See What Sets Us Apart



GP 2.50 Round Baler, 4x5 Bale, Fixed Chamber
**$9,800**
**CASH DISCOUNT $350**

SM40CR Disc Mower-Conditioner For High Capacity
**$4,695**
**CASH DISCOUNT $150**

6265, 65 HP, 12F-4R Trans., Remote Hydraulics $15,900
**CASH $15,000**

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**AG PROGRESS DAYS**
*You haven't finished pricing until Jerry gives you a price!*

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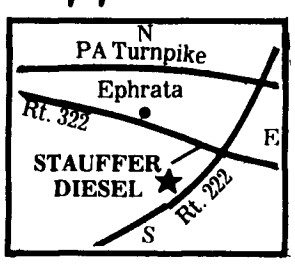
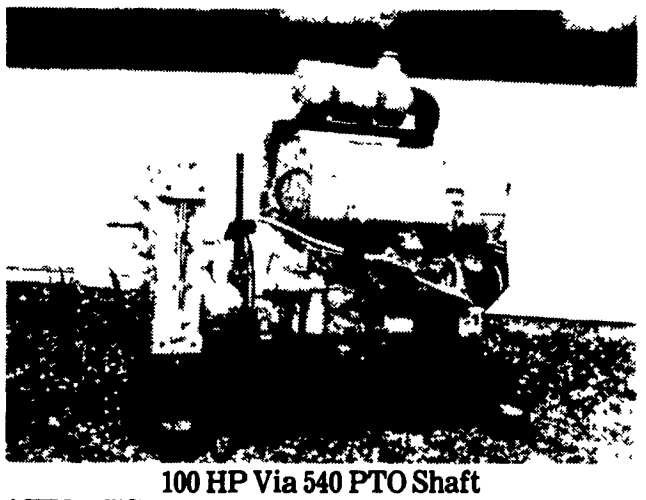



# Stadco
POWER SYSTEMS DIVISION

## STATIONARY FARM POWER UNIT



100 HP Via 540 PTO Shaft

**FEATURES:**
- Deutz Air-Cooled Diesel Model BF4L-913 100 HP at 2300 RPM
- Heavy Duty Clutch/Reduction Gear, Ratio 4:1
- Price As Pictured With Instrument Panel And Tachometer/Hour Meter **$7,500**

***Call Us For Power Units:*** 50 to 150 HP, 540 or 1000 RPM PTO

Ask For Harold Stauffer
**Stauffer Diesel Inc.**
R.D. 3, Box 659B Ephrata, PA 17522
**(717) 738-2500**

# GUNTHER HEUSSMAN INC.

SO. 5TH ST., EMMAUS, PA. 18049 215-965-5203

Call John Bolton or Gunther

## TRACTORS

JD 4240 Dsl., QR Fender
1980 JD 4440 Dsl., Cab, Air, Power Shift, 1400 Hrs. SOLD
1979 JD 4440 Dsl., Cab, Air, Power Shift, clean tractor
1976 JD 4430 Cab, Air, Quad
JD 4430 Dsl., Power Shift, 4 Post Roll Guard
JD 4040 Dsl., QR, 4 Post, very nice
JD 5020 Dsl., 3 pt.
JD 4030 Dsl. Fender
JD 4020 Gas Side Console, WF SOLD
JD 3020 Dsl. Side console, WF SOLD
JD 2640 Dsl. w/Direction Reverser & 146 Loader
JD 2020 Gas w/3 pt.
JD 2020 Dsl., Hi/Low
JD 1530 Dsl.
IH 856 Dsl., WF, 38" Rubber
IH 786 Dsl., WF, 1800 hrs.
IH 856 Dsl. w/Cab, extra nice
MF 1155 Dsl., Cab & Air
Oliver 1650 Dsl., WF
Oliver 1855 Dsl. w/Cab
1975 Ford 5000 diesel, wide front, excellent
Deutz 6806

## CORN PICKERS

JD 300 Husker, 3RN Corn Head
JD 300 Husker, 2RW or 2RN Head, Late Model
NI 325, 2RN w/8 Roll Bed
NI 325, 2RN w/Super Sheller
NI 325, 2RN w/12 Roll Bed, like new
NI 324, 2RW 8 Roll Husking Bed
NI 323, 1R
NI 323, Harvested 300 acres

## BALE WAGONS

NH 1033
NH 1002
NH 1012 Bale Wagon, Single Bale Unload

## HAY EQUIPMENT

JD 1219 Mower Conditioner, excellent
JD 1209 Mower Conditioner, Late Model
JD 1207, 7' Mower Conditioner
JD 346T Baler w/30 Ejector
JD 336 Baler w/30 Bale Ejector
JD 327T Baler w/Bale Chute
JD 337 Baler w/30 Ejector
JD 24T Baler w/Ejector SOLD
JD 410 round baler, very nice
NH 467 Haybine
NH 320 Baler w/Bale Turner, excellent
NH 851 Round Baler, very nice
NH 850 Round Baler
NH 316 Baler w/70 Thrower, new
NH 315 Baler w/Thrower
JD 640 Hay Rake
NH 890, SOLD Forage Head
NH 822, 2R Adjustable Heads to fit 770 & 890 or 892

# QUALITY LATE MODEL FARM EQUIPMENT

## NEW ARRIVALS

1972 JD 4400 Gas Combine w/10' Grain Platform
1968 JD 4020 Dsl. Tractor, Cab, Dual Hydraulic, new 38" Rubber
JD 300 Corn Picker w/2R Head, excellent

**Dairy Special**
Deutz Fahr Tedders
10' KH300, $1,395
17' KH500, $2,195

Farm Bilt Bale Wagons, 8x18, Adjustable Tongue, 8T Gear, 11Lx15 Tires, $1,875 FOB.

## GRINDER MIXERS

NH 353, 355
NH 352
NH 354
Brady 1050, 3 Ton
NH 351
Gehl 95
Gehl 100, new

## CORN HEADS

JD 243, 2RN
JD 244, 2RW
JD 343, 3RN
JD 443, 4RN
JD 443, 4RN LP
JD 444, 4RW
JD 643, 6RN
JD 643, 6RN LP
AC 430, 4RN
AC 3 SOLD RN
IH 943, 4RN
IH 843, 4RN
IH 844, 4RW
IH 863, 6RN
IH 227, 2RW
MF 43, 4RN
MF 44, 4RW
MF 1163, 6RN
MF 63C, 6RN
NH 962 3RN

## MISCELLANEOUS EQUIPMENT

JD 1508 Rotary Mower, Hydraulic Wing Fold
JD FBB 17x7 single disk Grain Drill, Grass & Fert.
IH 2R Potato Digger
NI Manure Spreader, Tandem Axle, Hydraulic End Gate, new
NI 213 Manure Spreader, very good w/pan
JD 148 Loader for 2840's & 2510-4240 Tractors
18x38-18x34-20x38 Duals
Cabs to fit IH 706 thru 1466 Tractors
Cabs to fit JD 3010-4320 Tractors
IH 1701 Loader
IH 2350 Quick Attach Loader SOLD
JD 158 Loader, new SOLD
New Fox 2RN Forage Head
Turbo Chargers to fit JD 3020 & 4020 Tractors
JD 214 Self-unloading Forage Wagon, very good
JD 2R & 4R Adaptor Plates for Corn Head

## COMBINES

1981 IH 1440 Dsl. Cab, Air, Hydro, excellent
1982 JD 4420 Cab, Air, 900 hrs., excellent
1979 JD 4400 Dsl. Cab, Air, 900 Hrs., excellent
1980 Gleaner F2 Dsl. Cab, Air, Grain Saver, 450 hrs., 13' Grain Table, excellent
JD 6620 Dsl. Hydro, Side Hill, very nice
1977 JD 6600 Dsl. Hydro, 1200 hrs., very nice
1976 JD 4400 Dsl., Cab, Air, very nice
1976 MF 510 Dsl., Cab, Air, 23" Rubber, excellent
1976 Gleaner FKS Dsl., Cab & Air, very nice
1976 IH 715 Dsl., Hydro., Cab, Air, 23" Rubber, nice local trade
IH 82, 7' Pull Type Corn & Soybean Chopper to fit JD 3300-4400
JD 213 Flex Head
MF 13' Grain Platform
JD 216 Flex Head, cut 200 acres
IH 820 13' Flex Head

**Good Selection of Grain Tables**
**Financing Available on Above Machines**

## H. SCHWARTZ & SONS, INC.

NOW SERVING THE STATE OF DELAWARE DIRECTLY FROM WILMINGTON!

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NEW, USED and RECONDITIONED PIPE
STANDARD - EXTRA & DOUBLE EXTRA HEAVY - ALL SCHEDULES - ALL TYPES FABRICATION - THREADING CUTTING — WELDING
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**FOR SALE**
MF 1155 w/cab & air
White 2-45 w/loader
AC 720 w/mower & loader
Schwartz 1730 Quick-tach loader
NI 2 row picker
AC field cultivator
7 tooth soil saver
JD 2940
MF 1105
MF 184-4, 4WD
IH 574 D
7 tooth Chisel Plow

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Rotec Agri-Tanks 25-2250 gal. Vertical and Horizontals. Strong one-piece seamless polythylene, super sun and weather resistant. Factory to farm prices. Special this mo. 420 gal. pickup tank with large manhole on top $199.00. New 1000 gal. horizontal with molded base makes easy truck mount. Every tank has 3 yr. warranty. Some used tanks. Check our prices for pumps, hoses and fittings. Large stock of 6" irrigation pipe in stock. Sprinklers - guns - supplies.
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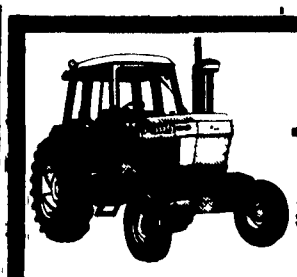

## USED EQUIPMENT

Last MF 510 Dsl Hydro w/620 actual hrs
IH 1460 Combine
IH 856
IH 915 Low Profile
IH 715 Dsl w/800 Series Heads
Gleaner Model K w/2 Heads
MF 300, w/321 Corn Head
IH 986 w/Cab
IH 186 Hydro w/Cab
1971 JD 4020 SC
Cheaper 4020 Dsl
NI 707 w/6 cyl Perkins Turbo
717 Combine & 4R C H

Coming Next Week
1979 IH SOLD Axial Flow Combine, 990 hrs
(2) JD 4400 Rotary Screen Combines, 1 Gas, 1 Dsl

**RAYMOND B. LEAMAN**
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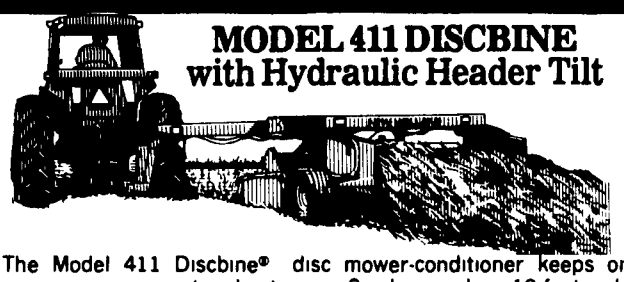
Midway between Lancaster & Quarryville off Rt. 222 take Brenneman Road at Graybill Bros. Garage, Refton.


## MODEL 411 DISCBINE with Hydraulic Header Tilt



The Model 411 Discbine® disc mower-conditioner keeps on going, even in your toughest crops. Six discs make a 10-foot wide cut. They'll mow through fire ant hills and gopher mounds, and slice under down, tangled crops Seven-foot wide intermeshing rubber rolls condition your crop gently and thoroughly for faster drying. You can lay down a wide swath or switch to windrow in seconds without tools

List Price..$14,390
SALE PRICE.....$11,500
★ CASH DISCOUNT.....-$800
$10,700

## MODEL 57 8½ Ft., PTO Powered, Mounted

Sperry New Holland Rolabar® rakes pick up more of your valuable hay Offset wheels are set close to the basket, so the tines closely follow the ground to pick up all the hay, but leave the dirt behind

List Price...$2,600
SALE PRICE.....$2,150
★ CASH DISCOUNT.....-$150
$2,000

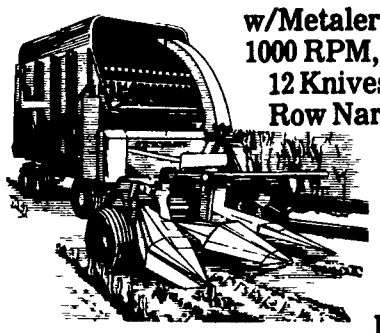
## MODEL 855 ROUND BALER Auto-Wrap-Loaded With Extras

The Model 855 round baler makes dense, picture-perfect 5½'x5½' bales The Super-Sweep pickup gets the short, fine hay ordinary pickups miss, and turns it into solid, well-shaped, 1700-pound bales

List Price..$17,230
SALE PRICE.....$12,250
★ CASH DISCOUNT.....-$700
$11,500

## MODEL 782 HARVESTER

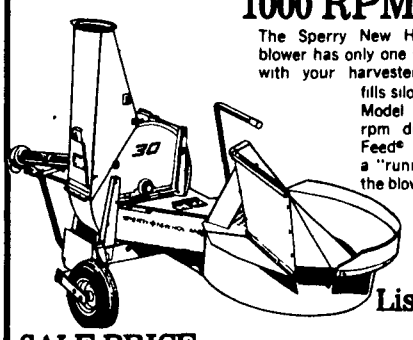
w/Metalert® Metal Detector 1000 RPM, Electric Controls, 12 Knives, and Model 824 Row Narrow Corn Head.



The Model 782 is built for heavy duty performance The 12 knife cutterhead chops uniformly without a recutter screen Exclusive under beveled knives eliminate the need for rebeveling Flip up feedroll makes shearbar adjustment easy

List Price...$19,400
SALE PRICE.....$15,000
★ CASH DISCOUNT.....-$800
$14,200

## MODEL 30 BLOWER 1000 RPM

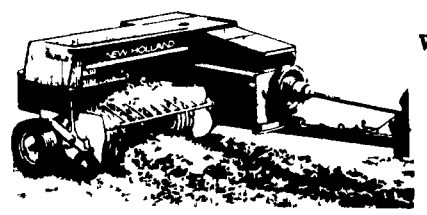


The Sperry New Holland Model 30 forage blower has only one speed—FAST It keeps up with your harvester and wagons and fills fills silos quickly The secret of the Model 30's capacity is its 1 000-rpm driveline and the Whirl A Feed® hopper that gives the crop a "running start" before entering the blower

List Price...$3,690
SALE PRICE.....$2,600
★ CASH DISCOUNT.....-150
$2,450

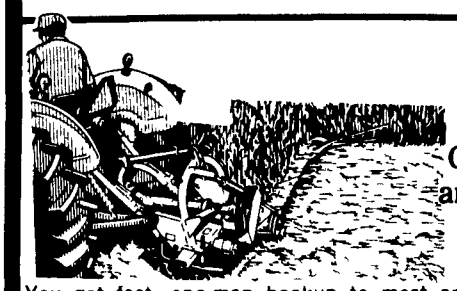
## MODEL 316 BALER

w/Model 70 Bale Thrower



For dense, uniform bales, take a look at the Model 316 baler It's a rugged baler, packed with features for high-capacity baling. From the wide Super-Sweep pickup to the most consistent knotter, it's got it all.

List Price...$13,400
SALE PRICE.....$10,700
★ CASH DISCOUNT.....-$500
$10,200

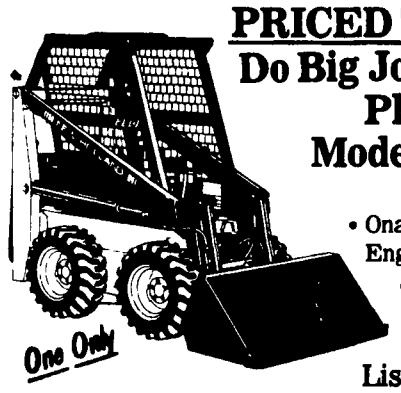


w/7 Ft. Double Guard Cutterbone and Underserrated Knife

You get fast, one-man hookup to most any three-point hitch tractor with the Model 451 pitmanless mower The exclusive telescoping yoke and the built-in support stand make hookup a breeze And forged steel cutterbar guards handle everything from fine grasses to thick, dense under-growth

List Price...$2,800
SALE PRICE.....$2,300
★ CASH DISCOUNT.....-$150
$2,150

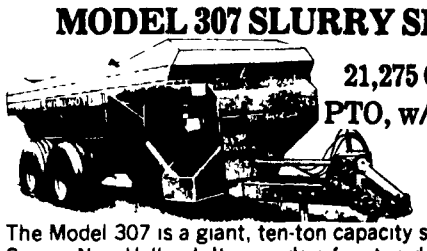
## PRICED TO SELL! Do Big Jobs In Tight Places Model L-250




With
- Onan B43G 18 H.P. Gas Engine
- 23x8.50 12 Tires
- 47 in Utility Bucket

List Price...$9,400
SALE PRICE.....$7,200
★ CASH DISCOUNT.....-$450
$6,750

## MODEL 307 SLURRY SPREADER



21,275 Gal., 1000 RPM, PTO, w/15.00x22.5 Tires

The Model 307 is a giant, ten-ton capacity slurry spreader from Sperry New Holland It spreads a fine top dressing of manure—fast! You get an aggressive spring-loaded auger to move material to the front right side for easy, consistent spreading The auger floats over rocks and foreign matter, reducing the chance of damage

List Price...$13,700
SALE PRICE.....$10,400
★ CASH DISCOUNT.....-$600
$9,850

## Designed For Total Performance

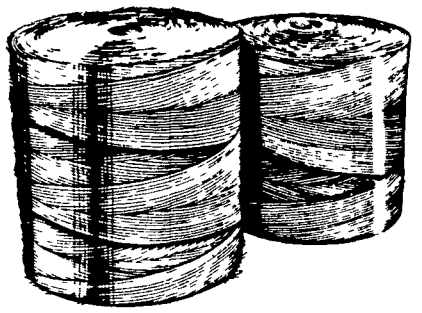
Step up to better performance with the Model 900 forage harvester. The 12 knives of the 21-inch diameter cutterhead deliver uniformly-cut, high-quality forage.

- Electromagnetic clutches — give instant response in controlling feed-roll and attachment drives.
- Easy-adjust shearbar — makes adjustment fast and precise.
- Two-speed blower — is energy efficient.
- Hydraulic swing tongue — makes mounting attachments fast and easy.
- Metalert® II electronic metal detector — protects cutterhead and your valuable animals

**MODEL 900 FORAGE HARVESTER**
Loaded With Options And Extras With 3-Row Auger Base And 3-Row Narrow Crop Attachment

SALE PRICE.....$19,725
★ AUG. CASH DIVIDEND.....-1,300
$18,425

## Quality New Holland Natural Fiber Baler Twine



9000 Ft.
Reg. $17.50

ON SALE NOW

$16.00 Per Bale

Better Knotter Performance And Fewer Missed Ties

## PARTS HEADQUARTERS

We Ship Parts Daily Via UPS - PPSH - Bus - Air Freight, Etc.

*Call Early For Next Day Delivery In Most Areas*

*** IN LIEU OF CASH DIVIDENDS**
**Free Finance Until March 1, 1987**
**- OR -**
**Low A.P.R. Financing Rates**
0%.....12 mo. 8.9%.....48 mo.
5.9%.....24 mo.
**Note—Skid Steer Loaders Are Not Eligible For Free Finance**

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**ABC GROFF, INC.**
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Service...717-354-8004

PRICE master charge VISA

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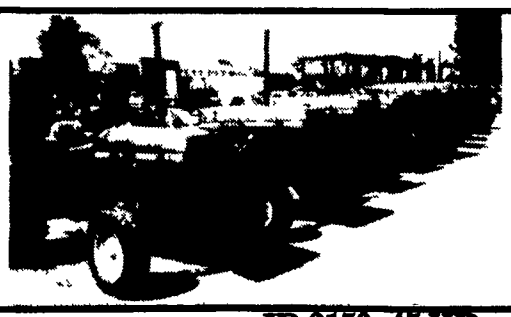
Sat 7 AM-4 PM

# The best tractor deals in town just got better

**CALL US!**
If We Don't Have It We'll Get It For You
CALL NOW

**LONGER INTEREST FREE FINANCING ON UTILITY TRACTORS 40—95 HP**
NEW!
Free Finance Until July 1, 1987 OR
Save Up To $1,600 By Paying Cash
in Addition to Other Bonuses Offered
—Row Crop Tractors—
Free Finance Until Jan. 1, 1987
PLUS
Cash Options And Other Bonuses Worth Thousands of $



We're pulling out all the stops to sell new John Deere tractors. And John Deere has some tremendous finance programs to sweeten the pot.

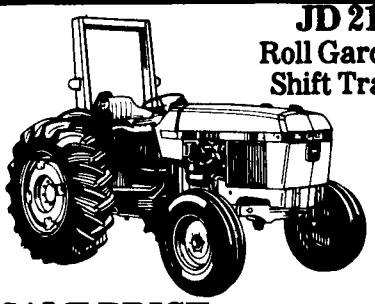
Utility tractors 40-95-hp; row-crop tractors 100-190-hp; all 4WD tractors...they've all got special prices and special deals. And every one of them is a new model — not discontinued equipment or close-out stock.

## JD 4050 105 HP

2 Wheel Drive, 4 Post Roll Gard, Power Shift Trans., 18.4x38 Tires, Front Weights

**SALE PRICE..... $30,975**
*** AUG. CASH DISCOUNT ..... $600**
**$30,375**

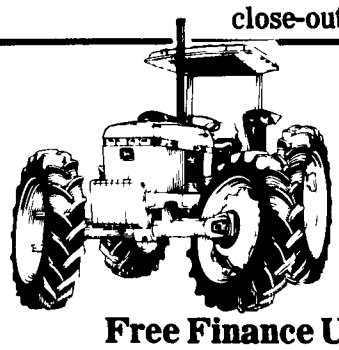
## JD 2150, 45 HP



Roll Gard, TSS Hi-Lo Shift Trans., Single Remote, 16.9x28 Rear Tires, Thermostart, Engine Heater, Weight Support

**SALE PRICE ..... $15,025**
*** AUG. CASH DISCOUNT ..... -725**
**$14,300**

## JD 2550 65 HP



MFWD, TSS, Hi-Lo Shift Trans., 23 GPM Pump, 16.9x34 Tires, and Many Extras.

**Free Finance Until July 1, 1987**
**OR**
**$925 August Cash Discount**
***Call For Price***

## JD 4050

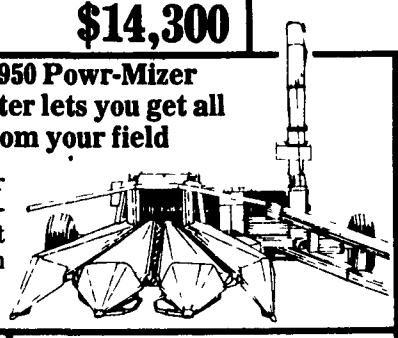
MFWD, Sound Gard Body, Quad Range Trans., 18.4x38 Tires Front Weights



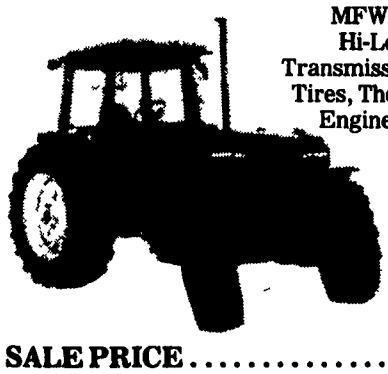
**SALE PRICE..... $38,175**
*** AUG. CASH DISCOUNT ..... $600**
***Also In Stock*** **$37,575**
- 4050 2WD, Sound Gard Body, Power Shift
- 4050 2WD, Sound Gard Body, Quad Range

## John Deere 3950 Powr-Mizer Forage Harvester lets you get all the yield from your field

The John Deere 3950 Powr-Mizer Forage Harvester has the exclusive features you need to get more of your crop into the wagon and silo. ***DEMO***



## JD 3150, 95 HP



4 Post Roll Gard. MFWD, TSS Hi-Lo Shift Transmission, 18.4x38 Tires, Thermostart, Engine Heater

**SALE PRICE ..... $30,575**
*** AUGUST CASH DISCOUNT ..... -1,600**
**$28,975**

## Double duty

**John Deere's forage wagon doubles as a feeder wagon**

Get double-duty use out of a 714A or 716A Forage Wagon. Carry silage to livestock as well as from the field.

See the 593-cubic-foot 714A and the 677-cubic-foot 716A today.

**MODEL 716A FORAGE WAGON**
w/16' Box, 677 Cu. Ft., High Sides, 3 Beaters & Roof

**SALE PRICE..... $6,700**
*** AUGUST CASH DISCOUNT ..... -150**
**$6,550**

*** In Lieu Of June Cash Discount, Waiver Of Finance Till March 1, 1987**

## JD 3950 HARVESTER

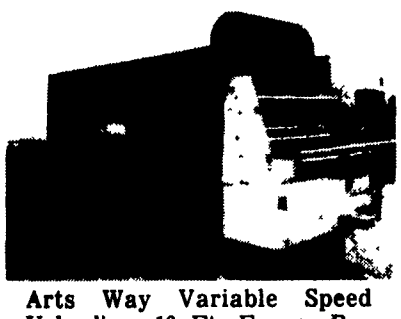
w/2 Row Narrow Corn Head Dron-Gard Metal Detector Spout Extension

**SALE PRICE ..... $16,250**
*** AUG. CASH DISCOUNT ..... -350**
**$15,900**

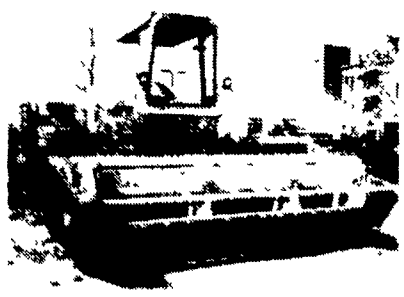
## JD 3950 HARVESTER

w/3 Row Narrow Corn Head Iron Gard Metal Detector Row Trak Guidance System Spout Extension

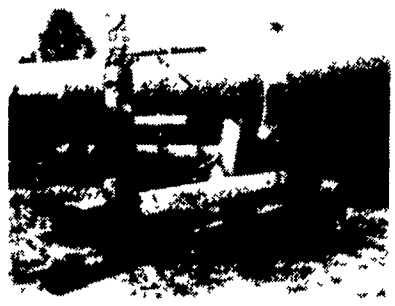
**SALE PRICE ..... $19,650**
*** AUG. CASH DISCOUNT ..... -350**
**$19,300**



**Arts Way Variable Speed Unloading, 16 Ft. Forage Box With Roof And Top Beater.**
**Price Reduced $3500.00**
Like New, Running Gear Not Included.



**IH 225 Self Propelled Windrower Conditioner Reconditioned**
**$3800.00**



**Fox 2310 Harvester w/6 ft. Hay Pickup and 2 Row Narrow corn Head**
**$3650.00**

**John Deere 1217 Mower Conditioner 7 Ft. Cut**
**Price Reduced**
**$3,990.00**

### HARVESTERS & ATTACHMENTS

**NH 890W** Hay Pickup $1200 00
**Fox 2300** Harvester w/3 Row Corn Head and 6 ft Hay Pickup $3250 00
**JD 300** Husker Corn Picker with 2 Row Head $8500 00
**NH 717R2** Corn Head $650 00
**NH 717R2** Corn Head $750 00
**NH 880N3** Corn Head $1250 00
**NH 707** 3 pt Harvester $1500 00
**NH 890** Harvester $4500 00
**NH 892** Harvester w/New Knives $7000 00
**NH S717** Harvester $1800 00
**NH 822** Corn Head 2 Row $1000 00
**NH 770** Harvester with 770 N2 Corn Head $3600 00
**JD 38** Harvester w/2 Row Narrow Corn Head $3650 00
**NH 880** Harvester $2450 00
**NH 822** Corn Head 2 Row $1500 00
**NH 707** 3 Point Harvester $1000 00
**NH 770 N2** Corn Head $1200 00
**Fox 425** Harvester 1 Row $1800 00
**JD 3940** Harvester w/2 Row Narrow Corn Head **Just Arrived**

### TRACTORS

**Farmall H** Tractor $1250 00
**White Oliver 1465** 70 H P Diesel $5950 00
**White Oliver 550** Industrial Tractor Loader with Reverser $6500 00
**JD 4240** 110 H P Sound Guard Body $17,900 00
**JD 4230** 100 H P Sound Guard Body $13,250 00
**MF 255** Tractor 50 H P Diesel $7500 00
**IH Farmall 350** Gas 45 H P $2950 00
**AC-WD45** Gas 45 H P $1850 00
**JD 400** Industrial Tractor Loader New Engine Reconditioned $7500 00
**Oliver 1755** Diesel **Just Arrived**

### FORAGE BLOWERS

**NH 25** Blower Like New $1800 00

### TILLAGE

**IH 370** Disk Harrow 12 6 $1950 00
**Brillion** 8 Ft Sprocket Packer Demo $1150 00
**JD 1250** 3 Bottom Plow $1950 00
**Oliver** 3 Bottom Trip Plow $695 00
**JD 210** Disk 12 10 36 Blades $3400 00
**JD 210** Disk 12 10 With Cushion Gang $3500 00
**AC 1200** Field Cultivator $1375 00
**Brillion** 10 Sprocket Packer $700 00
**Underferth McCurdy** Cultisystem 5000 21 ft field finisher $4500 00

### MOWERS & MOWER CONDITIONERS

**NH 489** Haybine 9 ft $4250 00
**NH 477** Haybine 7 ft $2550 00
**NH 489** Haybine 9 ft $4500 00
**NH 1495** Self Propelled 12 ft Gas $10,500 00
**Kuhn FC 250** Disk Mower Conditioner 8'2 $8250 00
**NH 495** Haybine 12 Ft $4200 00
**JD 1380** Pivot Tongue Windrower Conditioner $4500
**Owatonna** Model 235 12 Ft Swing Tongue Windrower Conditioner $3500 00
**NH 1469** Self Propelled Haybine Ford Gas Good Rolls **Make Us An Offer**
**NH 495** Haybine 12 Ft $4550 00
**JD 1209** Mower Conditioner 9 Ft w/Non Clog Guards $3500 00
**NH 469** Haybine 9 Ft $1950 00

### SKID STEER LOADERS AND CONSTRUCTION EQUIPMENT

**Owatonna** Mustang 1700 Diesel $4550 00
**NH L-425** Gas 30 H P 284 Hours $9500 00
**Melroe 610** Bobcat 30 H P Gas $5900 00
**NH L-35** 37 H P Gas $6900 00
**NH L-775** 60 H P Gas $7500 00
**NH L-451** 31 H P Deutz Diesel $11,500 00
**JD 24** 37 H P Gas $4500 00

### PLANTERS & DRILLS

**JD 1240** 4 Row Narrow Plateless Corn Planter $1050 00
**AC Model 333** No Till 4 Row Narrow
**JD 7000** 6 Row Regular with HD No-Till Coulters **Just Arrived**
**Cole** Iron Mounted Planter $1500 00
**IH 400** Air Planter 6 Row $1850 00

### RAKES & TEDDERS

**NH 56** Rake $1050 00
**Kuhn GRS24** Combination Rake Tedder $1650 00

### SPREADERS

**NH 676** Spreader 275 Bushel $1800 00
**NI 218** Spreader $1950 00
**NH S676** Spreader $2100 00
**Herd** 750 Spin Spreader $400 00
**NI 214** Spreader $1850 00
**IH 550** Spreader $1850 00
**NI 224** Spreader $2500 00
**NH 519** Spreader 217 Bushel $2495 00
**JD 680** Spreader 400 Bushel $4500 00
**Clay** 1500 gal Liquid Tank Spreader $2000 00
**MF 205** 205 Bushel Spreader $1900 00
**NH 367** Tank Spreaders $3450 00
**JD 790** Tank Spreaders $850 00

### WAGONS & RUNNING GEAR

**JD 1075** 10 Ton $2000 00

### BALERS

**JD 336** Baler w/30 Ejector $4250 00
**NH 273** Baler w/Thrower $2500 00
**JD 336** Baler w/30 Ejector $4750 00
**JD 24T** Baler $900 00
**NH 850** Round Baler $3600 00
**Vermeer** Model 605D Round Baler $3250 00
**NH 275** Engine Baler $3400 00
**NH 269** Baler w/53A Thrower $3200 00
**NH 282** Baler w/62 Bale Thrower $3650 00
**JD 346** Baler w/30 Ejector $5500 00
**NH 273** Baler w/53A Thrower $3250 00
**NH 273** Engine Baler $2650 00
**JD 336** Baler with 30 Ejector $5500 00

### COMBINES & ATTACHMENTS

**NI 702** Uni System Power Unit Gas with/729 Sheller 728 4 Row Corn Head 710 Combine and 711 Grain Head $7500 00
**NH 962** N6 6 Row Narrow Corn Head $7500 00
**NI 710** Combine Unit $2200 00
**NI 711** Grain Head

### SPRAYERS

**Truck Mounted Century** 500 Gal Sprayer with 5 H P Engine and 42 ft Boom $1500 00

### GRINDER MIXERS

**Farmhand 810** Grinder Mixer 80 Bu $1500 00
**Gehl 65** Grinder Mixer 80 Bushel **Just Arrived**

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Badger | JOHN DEERE | HESSTON FARM EQUIPMENT

## USED EQUIPMENT

**TRACTORS**
JD 2640 w/15 5x38
JD 2940 w/2860 hrs
Oliver 550 w/live PTO
White 2-70 w/Roll Bar
J D M w/Equipment
I H Cub 154 w/Rotary
Long 360 Diesel 668 Hrs

**HAY & HARVEST EQUIP.**
JD 24 T Balers 3 to Choose
Kuhns Hay Tedder
I H 240 Baler w/Thrower
J D 894 Rake
I H #17 Rake
Gehl 9' Mower Cond
N H 707 3 Pt Harvester
N H 717 w/1 Row Head

—AUGUST SPECIAL—
M&W Hay Tedder & Windrower
**$1995.00** Fob Pikeville

**OTHER NEW EQUIPMENT SPECIALS**

| | |
|---|---|
| Koyker 7x35 Auger | $1350.00 |
| Hamby 12' Drag Roller Packer | $900.00 |
| Badger BN184 1000 R.P.M. Trail Pump | $4400.00 |
| Badger BN1000 7' Mower Cond. | $5500.00 |
| Badger 1000 R.P.M. Blower | $1995.00 |
| Badger 540 R.P.M. Blower | $2700.00 |
| Henke 1000 R.P.M. Blower | $2700.00 |
| A-Ton Electric Wheel Gear Less T&T | $350.00 |
| McCurdy 21' Rolling Harrow | $4350.00 |
| McCurdy 26' Rolling Harrow | $5300.00 |
| Woods T-42 Tiller 3 Pt. | $1175.00 |
| Badger Weigher Mixer | $7500.00 |

"All Above Prices No Trade Price"

## PIKEVILLE EQUIPMENT, INC.

R.D. 2, Oley, PA
Phone: 215-987-6277
Berks County's Full Line John Deere Dealer-
Serving The Oley Valley 50 Years, 1936-1986

## SPECIAL OF THE WEEK

JD 510 Round Baler
Very Clean, $5500

## USED EQUIPMENT

**SPREADERS**
JD 790 Spreader, $995
NH 365, $1100
NH 791, $2500
NH 510, $750
JD 40, $995
1257 Demo Hedlund Martin, $4500

**HAY & FORAGE**
Case 7 ft. Mower, $250
JD 327 Like New, $5500
NH 469 Haybine
JD 38 & 35 Harvesters
JD 640 Rake, $895
NH 880 Harvester w/Grass & 2 Row Corn Head, $1995
Hesston 5800 Round Baler, $3750

**LOADERS**
OMC 320 Skid Loader, $4500

**TRACTORS**
JD, $8500
JD 2520 Dsl., $6500
JD 3020, $6900
JD 3010, $5500
JD 2840, $12,000
JD 620, $2100
JD 2520 Gas, $5800
Set of 34" Duals w/Bar Clamps, $450
Set 36" Wheels

**TILLAGE**
JD 3 BT 14" Plow
JD KBA 9 Ft. Disk
Oliver 4 BT 16" Plow
JD 22 Ft. Wheel Harrow
JD 5BT 14" Plow

**COMBINES**
NI No. 7 1 Row Pull Picker, $500
NI 2 Row Mounted Picker, $795
Walsh Sprayer, $595

bobcat

JOHN DEERE
New & Used John Deere Equipment
HEDLUND MARTIN

Lawn & Garden Equipment

CLUGSTON FARM EQUIPMENT
HCR80--Box 22
Needmore, Pa. 17238
717/573-2215
John Deere Sales & Service

NEW HOLLAND

## Spring Specials On Equipment

**Model 791 Manure Spreader w/Fluid End Gate, $7,000**
**Model 520 Spreader, $4,300**
**Model #38 Crop Chopper, $4,600**
**Model #8 Crop Carrier w/Extension Sides & NH #238 Wagon w/Long Adj. Tongue & Flotation Tires, $6,800**
**NH 311 Baler, $6,500**
**NH 316 Baler, $7,700**
**NH 488 Haybine, $7,000**
**NH 489 Haybine, $8,000**
**NH 499 Haybine, $12,600**

OR

| | |
|---|---|
| 0.0% | financing for 12 months with a monthly payment schedule |
| 5.9% | financing for 18 months with a monthly or quarterly payment schedule |
| 7.9% | financing for 24 months with a monthly, quarterly, or semi-annual payment schedule |
| 8.9% | financing for 36 months with a monthly, quarterly or semi-annual payment schedule |
| 9.9% | financing for 48 months with a monthly, quarterly or semi-annual payment schedule. |

## 1 FARM EQUIPMENT

NEW IDEA | case IH

**TRACTORS**
- Case 400
- Case 1030
- Case 1070
- Case 1490
- White 2-105 Tractor
- David Brown 990 w/Loader
- David Brown 1200
- Ford Jubilee

**LOADERS**
- Case 1816B Skid Loader
- Case 450 Crawler Dozer
- Case 1737 Uniloader
- NH L425 Skid Loader
- JD 24 Uniloader

**TILLAGE**
- IH 3-16 Plows (2)
- IH 370 Disc, 10 Ft
- Int. 2-Bot. Trailer Plow
- Case Disc Harrow, 10'
- Case Field Cultivator
- Oliver 22' Disk
- Oliver Disk
- Used Cultipacker

**HARVESTING EQUIPMENT**
- Hesston 2000-150 Harvester
- Hesston Harvester Head-3 Row Wide
- NI Unisystem, 702 Diesel, 710 Combine & 760 Harvester
- NI 709 Uni-System
- NI 326 Husker
- NI 315 Sheller
- NI 717 Combine
- NI 737 Husking Bed
- NI 838 Husking Bed
- NI 767 Super Chopper
- NI 323 1-Row Corn-picker
- NI 325 12 Row Husking Bed
- NH 717 Harvester
- Gehl 600 Snapper Head
- Gehl 800 Harvester
- Gehl 1200 Harvester w/pickup and 2-row cornhead

**HAY EQUIPMENT**
- IH 1190 Windrower
- NH 469 Windrower
- NH 479 Windrower
- Hesston PT 10
- Hesston 1014 Wind-rower, 14 Ft.
- Hesston 1010 Wind-rower
- Hesston 1090 Wind-rower
- 2 Bale Thrower Wagons
- Case Hay Rake
- NI 456 Round Baler

**MISCELLANEOUS**
- Zimmerman 40 Ft Elevator
- King Wise 32' Elevator
- IH 56 Blower
- Int. 56 4-Row Planter
- IH #10 16 Disk Drill
- 4-Row Cole Corn Planter
- 6 Used Spreaders
- Scavenger 1263 Manure Spreader
- Scavenger 1678 Manure Spreader
- NI 218 Spreader
- NI 224 Spreader
- Weaverline Cart, 24 Bushel
- Weaverline Cart, 30 Bushel

Heavy Duty Tubular
MARTIN'S GATES
**20% OFF**

**NEW SPECIAL**
NEW IDEA 404
WHEEL RAKE
$1,250

HESSTON FARM EQUIPMENT

**ZIMMERMAN'S FARM SERVICE**
Bethel, PA
Phone 717-933-4114

JD 6620 Sidehill, 1982, 1042 Hrs., Auto Header, Harvestrak Monitor, Heavy Axle & 4 Whl. Drive, Chopper, All Extras, Excellent

JD 6600 Leveland, Dsl., Rotary Screen, 24.5x32 Tires, Weights, 1400 Hours, Very Good

NH TR85, 1981, Hydro, 1800 Hrs., 28L Tires, Cat Dsl., 4 Whl. Drive, 972 Flex Platform, Very Good
**$34,500**

JOHN DEERE

## Harvest Time SPECIAL VALUES ON THESE HARVESTING MACHINES

**OTHER COMBINES**
**JD 6600 SH**, Dsl , Hydro 215 Flex 2,000 hrs
**JD 6620 Side Hill**, 2,000 hrs , hydro, 643 CH, 215 flex, excellent
**NI 710 Uni** Combine w/10' grain platform
**(2) JD 444** corn heads
**NI 325** 2 row narrow sheller, excellent
**Oliver 83** 2 row sheller
**IH 1 row** corn picker
**Waiver on New & Used**

**USED TRACTORS**
**JD 650, MFWD** w/mower
**JD 1050 MFWD**, 100 hrs , like new
**JD 50**
**JD 4430**, 4 post, QR, nice
**JD 4440 Tractor**, SGA, PS, excellent
**JD 2840 Tractor**, new tires, good cond
**JD 2010 Gas**
**JD A Tractor** w/picker
**MF 65 Tractor**, good, new tires, **reduced $2,800**
**Farmall Super H**
**Farmall H** sharp
**ACWD** w/2 btm plow
**1850 Oliver, cab**, 92 h p , good condition

**TILLAGE**
**9' Case** transport disk
**White 255 disc**, dual wheels, 12'
**JD RWA** 13' Disc
**IH 450 auto**, reset plow, excellent
**(6) 2,3,4,5 bottom plows**
**18' transport harrow, Special $900**

**DRILLS & PLANTERS**
**IH 510 grain drill**, 16x7 grass seed & fert
**10' Brillion Seeder** w/transport wheels
**(2) JD 1240 planters**, good cond
**IH 56 4 row DD**, dry fert

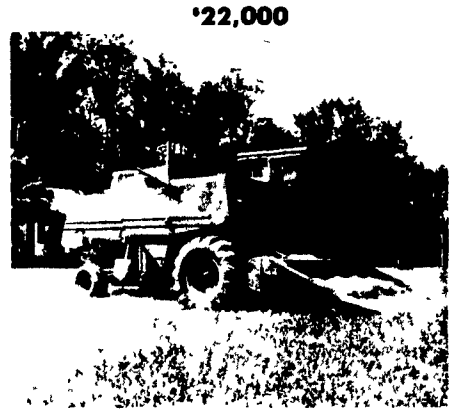
**HAY, FORAGE & MISC.**
**NH 315 Baler** w/thrower nice
**NH 273 Baler**
**NH 68 baler** w/thrower
**IH 241 round baler**
**IH 430 baler** w/thrower, good
**JD 410 round baler**
**JD 14T baler**
**JD 480 mower conditioner**
**IH 990 haybine**, 9'
**NH 460 haybine**
**NH 479 haybine**
**NH 36 Flail Chopper**
**NH 33 Flail Chopper**
**JD #15 Flail Chopper**
**JD 38 Harvester**
**Fox Harvester** w/2 heads
**Model 7600 Field Queen Harvester** w/Grass Head, Diesel
**8' Brillion Cultipacker**, like new
**JD 115 Forage Box**
**Grove forage wagon**
**JD 750 grinder mixer**, very good
**512 NH Spreader, $800**
**JD 40 Spreader**

CLW Hay Racks
Pequea Tedders
Kill Bros. Gravity Bins

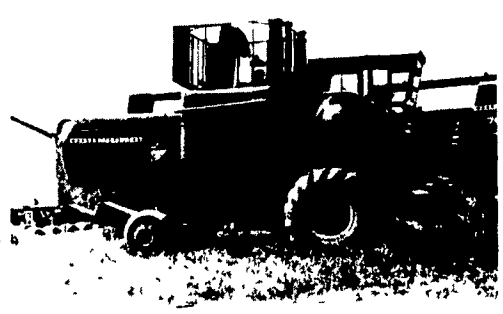
## J.D. FINANCING

New - Interest FREE Til Sept. 1987
Used - Interest FREE Til Jan. 1987

MF 760, Dsl., Hydro, Cab A/C, Good Rubber, Spreader, 15' Platform, Good
**$22,000**



MF 750, Dsl., Hydro, Cab, Nice Clean Machine, 15' Platform, 44 Corn Head



(2) MF 510 Dsl., Quick-Tach, Cab, 15' Platform, Good
**$7,500**

JOHN DEERE

# LOST CREEK IMPLEMENT INC.

RT. 35 OAKLAND MILLS, PA
717-463-2161

# JOHN DEERE DESIGN, DEPENDABILITY AND DEALERS MAKE THE DIFFERENCE

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**—SERVING PENNSYLVANIA CUSTOMERS—**

# Harvest Time SPECIAL VALUES

## ON THESE HARVESTING MACHINES

| Used Forage Harvesters & Equip. | Tag |
|---|---|
| JD 5200 SP, Cab | #2855 |
| JD 5400 SP, Cab, Powr wh dr | #2840 |
| JD 38 PT, w/5½' Hay P-Up | #3288 |
| JD 38 PT, w/2R30" R C | #3151 |
| JD 3R30" Row Crop (SP) | #2861 |
| JD 3R38" Row Crop (SP) | #1431 |
| NH 1895 SP, Cab, Metal Det w/4R30" RC & Hay P-Up | #1668 |
| JD 716A Wagon, Hi Side, 3rd B, Rear Unld, 1275 gear | #3302 |
| JD 716A, Wagon, Hi Side, 3rd B, 1275 gear | #3301 |

| Used Corn Pickers | Tag |
|---|---|
| NI 324 2RW/327 12 Roll Husk | #3593 |
| NI 325 2RN/327 12 Roll Husk | #2851 |
| NI 324 2RW/327 12 Roll Husk | #3384 |
| NI 324 2RW/329 Sheller | #2430 |
| NI 323 1 Row, Beater, Hyd 1 | #3178 |

| Used Hay Equipment | |
|---|---|
| JD 346 Baler, 30 Ejector | #3677 |
| JD 336 Baler, Wgn Hitch | #3684 |
| JD 336 Baler, 30 Ejector | #3244 |
| NI 270 Cut/Ditioner | #2965 |
| MF 41 Sickel Mower, 3-pt | #3027 |
| JD 12-14 Mower Cond | #1507 |

| Used Combines | Tag |
|---|---|
| JD 6620 SH, Cab, A/H, Stw Spdr w/215 Flex Plat | #3315 |
| w/643 SH Corn Head | #3317 |
| JD 4420 Cab A/H Stw Spdr w/213 Flex Plat | #3319 |
| JD 7700, Cab A/H, AHHC | #2304 |
| JD 6600, SH, Cab, A/H w/215 Flex Plat | #2310 |
| w/643SH Corn Head | #2721 |
| JD 6600, Cab A/H, AHHC w/213 Flex Plat | #2918 |
| MF 300, Cab A, w/13 ft Platform | #2923 |
| w/3R30" Corn Head | #2925 |
| NI 702D Uni, Cab w/710 Combine, 13' Plat | #3166 |
| AC Gleaner "F" w/13' Plat w/430 Corn Head | #3193 |
| | #2862 |
| | #2883 |
| | #3058 |
| | #1343 |
| | #3686 |

## OTHER SPECIALS

| Used Tractors | | Tag |
|---|---|---|
| JD 4050 Q/R, SGB | 105 HP | #3622 |
| JD 4240 Q/R, SGB | 110 HP | #3705 |
| JD 4630 S/R | 150HP | #3712 |
| JD 3020 Gas, S/R | 70 HP | #3267 |
| JD 3020 Gas, S/R, WFE | 70HP | #3654 |
| w/Allied Hyd Loader | | #3655 |
| JD 3010 Dsl, S/R, ROM | 55 HP | #2997 |
| JD 2510 Gas, S/R, ROM | 50 HP | #2257 |
| JD 1250, MFWD | 40 HP | #3701 |
| w/JD 100 Loader | | #3702 |
| JD 2640 RU w/Roll Grd | 70 HP | #1687 |
| JD 2030 HU Dsl | 60 HP | #3262 |
| JD 2020 RU Gas, | 53 HP | #3695 |
| w/47 Hyd. Loader | | #3696 |
| JD 620 Row Crop | | #3280 |
| JD 40T w/Cult | | #3457 |
| JD B w/2-Row Cult | | #3716 |
| White 2-105 Dsl, WFE | 105 HP | #2313 |
| IHC 706 Dsl | 72 HP | #3451 |
| Oliver 1650 Gas | 66 HP | #2595 |
| Oliver 77 Gas | | #3646 |
| Ford 600 w/3-pt | | #2464 |
| Farmall Super A w/Cult | | #3431 |
| IHC 454 Dsl | 40HP | #3706 |

| Used Tillage Equipment | Tag |
|---|---|
| JD F845 Plow 2 way, 3B, 3 pt | #3650 |
| White 348 Plow 3B18, 3 pt | #3657 |
| JD 2600 Plow 5B18, Semi-mt | #2820 |
| JD F120 Plow 3B14, 3 pt | #3517 |
| JD F125 Plow 4B16, 3 pt | #2662 |
| IHC Chisel, 3 pt , 9 teeth | #3445 |
| IHC Chisel, 3 pt 7 teeth | #3209 |
| JD 8' Tool Bar, 5 Teeth | #3017 |
| Athens 131, 28 B1 D Harrow | #3299 |
| JD 3000 14' D Harrow | #2563 |
| JD 315 12'10" D Harrow | #3506 |
| JD 310 14'3" D Harrow | #2602 |
| JD 235 Dura Cush, 17'1" Wide Center Fold w/tine att | #3338 |
| JD RG40 Cult , 3 pt , 4 RW | #3698 |

| Used Manure Handling Equip. | |
|---|---|
| Owatonna 1200 Skid Loader | #3439 |
| Leon H D. Hyd Loader | #2077 |
| NI 214 Spreader, sngl btr | #3346 |
| NH 367 Tank Spreader | #2512 |
| Badger BN220 Tank Spreader | #3438 |

| Used Compact Utility & Equip. | | Tag |
|---|---|---|
| JD 850 MFWD, Bar Tires | 22HP | #3296 |
| MF 205 Dsl | 16HP | #3564 |
| w/MF Hydraulic Loader | | |
| IHC 154 Cub LoBoy w/Mower | | #3204 |
| JD 365 Front Blade For 650 | | #2187 |
| Woods RM90-3 Pt Mower | | #3513 |
| IMCO 5 Ft 3 Pt Rotary Cutter | | #3571 |

| Used Grain Drills | |
|---|---|
| JD 8250 14x7, SDO, S-L | #3718 |
| JD 8200 18x7, DDO, Z-Z | #3731 |
| JD 8200 21x7, DDO, Z Z, GSA | #3362 |
| JD 8300 18x7 SDO, GSA | #2799 |
| JD FB 13x7, SDO, GSA | #2683 |

| Used Miscellaneous | |
|---|---|
| JD P107 Rotary Cutter | #2372 |
| JD 307 3 pt Rotary Cutter | #3531 |
| JD 737 p-t Cutter 14' | #3635 |
| Friend 3 pt Sprayer 18' bm | #2813 |
| JD 535 Sprayer 30' bm | #2048 |
| Walsh Sprayer | #3554 |
| JD 27 Flail Shredder | #2028 |
| Hood for JD 125 Chuck Wgn | #3167 |
| Pr GY 18 4-34 8P Tires | ---- |
| Second remote valve (3020) | ---- |

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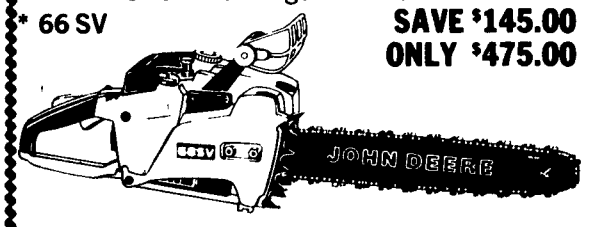
**All John Deere Chain Saws**

Powerful Savings On A Powerful

* 66 SV

**SAVE $145.00**

**ONLY $475.00**

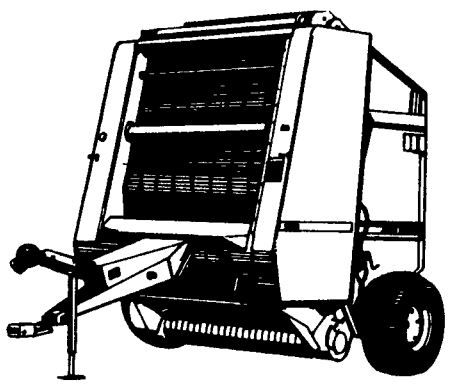



- * 61 CC, Twin Cylinder Engine
- * More Lugging Power
- * Less Vibration
- * 20" Bar & Chain
- * Auto. Oiling w/Manual Override

**Get the Jump On Your Wood Cutting Chores With a John Deere Chain Saw And Keep The Savings In Your Pocket Today!**

**NOTICE: Now thru Aug. 31st '86 Get An Extra Chain FREE With Any New John Deere Chain Saw**

## AUTOMATIC BALERS



**John Deere round balers make baling almost automatic for any operator**

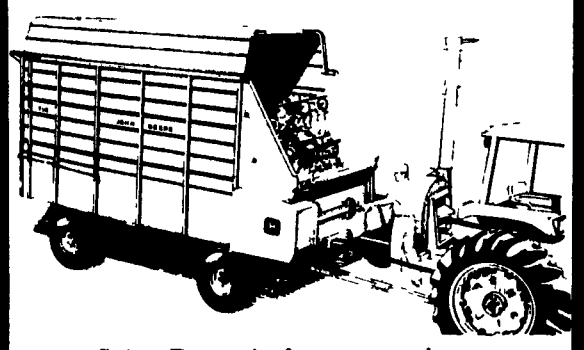
The John Deere 430 and 530 Round Balers' automatic design begins with the exclusive Bale-Trak® monitor. It's your electronic guide to making bales that are uniform in shape and size every time

A fast pickup speed means a more productive working speed Diamond-tread forming belts start the hay turning immediately for fast bale starts

When the bale reaches the preset size, the twine arm is automatically activated. The end result is top-quality, uniform bales that are easy to handle. Stop by for a look at the automatic 430 and 530 Balers.

**IN STOCK FOR IMMEDIATE DELIVERY**
**Models 530, 430 And The New 330**

## MORE THAN "THE BASICS"



■ John Deere's forage equipment offers exclusive features that improve performance.

■ John Deere forage boxes use wagon gear that exceeds ASEA standards for load ratings.

**NEW 716A FORAGE WAGONS WITH 1275 GEAR**

**IN STOCK FOR IMMEDIATE DELIVERY**

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**WAIVER ON FARM TRACTORS**
**New John Deere Utility- July 1, 1987**
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**Grain Combines- June 1, 1987**
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**WAIVER ON NEW JOHN DEERE AND USED CORN PLANTERS**
**To April 1, 1987**

**WAIVER ON JOHN DEERE HAY AND FORAGE EQUIPMENT**
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## TRIPLE H EQUIPMENT

Peach Bottom, Pa.
717-548-3775 or 717-548-2094

Vicon — Vermeer

1 Vermeer R8A rake
1 Vermeer R23 rake
1 Vermeer 504I baler (demo)
2 no-til 107 drills
1 605 E baler
1 NH 850
1 MF 128 sq. baler
1 JD FB 177 drill
1 shaver post driver (used)

### NEW VICON EQUIPMENT

(2) KM 321 Mower Conditioners 10' 6"
(1) KM 281 Mower Conditioner 9' 5"
(1) Vicon 365 Gal. Truck Mount Sprayer
(1) Single 4 Wheel Rake
(2) 3 pt. Disk Mowers
(1) 6-Basket Tedder, 20 Ft.
(1) 4-Basket Tedder
3 pt. Sprayers - 50 Gal. to 235 Gal., Booms from 21 Ft. to 35 Ft.

### NEW H&S EQUIPMENT

(1) Super 7+4 Forage Box, Tandem Axles
(2) 8x18 Bale Throw Racks, Steel Const., 8 Ton Gears
(1) 8x18 Self Unload Bale Rack

### USED EQUIPMENT

(2) CM 240 Disc Mowers (Demo)
(1) NI 7 ft. Cutditioner
(1) NH No. 850 Round Baler — $3,500
Farmalls - "H", "M" And Super C

### TRACTORS

AC 5040
Ford 5000 Gas
Ford 7000
Ford 7700, 4WD, Less Cab
Ford 5610 Less Cab
Int. 656
AC 160
Hydro 100 Int., 1974, 1900 hrs.
Ford 5000 SOS Dsl.
Ford 4000 Gas, SOS
Ford 4500 TLB
Ford 1100 2WD
Ford 1210 hydro, 4WD
Ford 1100-4WD
8 & 9 N's

### EQUIPMENT

NH 489 Haybine
NH 467, 7' Haybine
NH 78 Baler w/Thrower
JD 24T Baler w/Kicker
NH 707 Harvester
NH 717 Harvester
NH 782 Harvester
NH 36 crop chopper
NH 717 Single Row Corn Head
Lots of Lawn & Garden Tractors w/Mowers & Snow Blowers.
Bobcat 720 Skid Loader

**CHARLES S. SNYDER INC.**
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## USED EQUIPMENT

Oliver Plow, 2 Bottom,3 Pt.
Allis 16" Plow, 5 Bottom
JD Hay Rake, 3 Pt.
Sauder Snow Blade
Rototiller For Cub Cadet Tractor, Rear Mount
50" Befco Rototiller, 3 Pt.
ARPS 7 Ft. Blade, 3 Pt.
Worksaver Single Shank Ripper
Worksaver Post Hole Digger
Landoll Chisel Plow
Concrete Mixer, 3 Pt.
IH Sickle Bar Mower, 3 Pt., 7 Ft.

## NEW EQUIPMENT

Fuerst Tine Harrow, 12 Ft.
Herd Seeder, 3 Pt.
AMCo Disc 10'6" Double Offset
Wagon Running Gear, 10 Ton w/Tires
Wagon Running Gear, 12 Ton Tandem w/Tires
ARPS Backhoe No. 70, 3 Pt.

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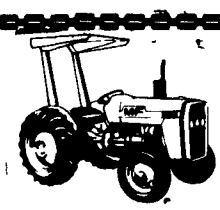

MF Massey Ferguson

## TRACTORS & EQUIPMENT

MF 40 Diesel Tractor w/Loader
MF 50C Tractor w/Loader & Cab
MF 750 Combine w/Attchs.
MF 510 Combine w/63C Corn Head

### NEW M.F. EQUIPMENT

MF 240 Tractor
MF 240 Tractor
MF 283 Tractor
MF 1030 Tractor 4 WD
MF 1020 Tractor w/Turf Tires
MF 1010 Tractor w/218 Mower
MF 1010 Tractor
MF #43 2B Plow
MF 427 No-Till Drill
MF 226 Scraper Blade
MF 227 Scraper Blade
MF 22 Bale Thrower
MF 218 3 pt. Rotary Cutter
MF 222 Scraper Blades
MF 1018 Mower

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Lawn & Garden Tractors, Save Up To $875
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Save On Attachments Too

Ford Tractors Equipment

25% OFF On All Ford Tractor Parts In Stock (except lubricants)

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### WISCONSIN ENGINES

- V465D 65.9 HP N.H. Repl. ..... $3050.00
- VG4D 37 HP, NH Repl. ..... $2245.00
- W41770 35 HP, Sta. F.W.A. ..... $2225.00
- VH4D 30 HP Bobcat Repl. ..... $1925.00
- VH4D 30 HP Sta. F.W.A. ..... 2290.00
- VH4D 30 HP Ford Repl. ..... $2405.00

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### TRACTORS

AC 7080 D w/cab, air/heat, excellent!
AC 7060 D PS w/cab, air/heat, only 1400 hrs.!
AC 7050 D w/cab, air/heat
AC 7030 D w/cab, air/heat
AC 7000 D w/cab, air/heat
AC 6060 D
AC 6140 D w/front end loader
AC 190 D, excellent!
AC 185 D, excellent!
AC 180 D
(2) AC D19 D
AC D19
AC D17 D
AC WD45 w/wide front
AC WD w/loader
(4) AC WD
AC WC
AC CA
MF 1085 D
Ferguson 50 w/loader
Ferguson 30
Farmall 460 D
Farmall 400 G & D
Farmall C
Oliver 1855 D, new rubber
Oliver 1550
Oliver 500 D
JD 2040 D w/145 loader
JD 1020 G w/48 loader
JD 4010 D
JD 3010 D
JD 3010 repainted
JD 720
JD 60

### COMBINES

NI Uni-System 701 w/710 power unit, 10' grain & 2-row wide corn heads
NI Uni-System 702 w/717 combine, 4-row corn head
AC Gleaner N5 D w/cab, 15' grain & 630 corn heads.
1982 AC Gleaner M2, cab & 13' grain & 630 corn head, low hours
1978 AC Gleaner M2 D w/cab, air, 13' grain & 430 corn heads.
AC Gleaner M D w/hydro, 13' grain & 438 corn heads.
(1977) AC Gleaner F2 D w/13' grain & 438 corn heads.
AC Gleaner E w/cab, 10' grain & 238 corn heads.
AC Gleaner F w/cab & both heads.
AC Gleaner CII w/4-row corn head.
IH 93 w/8' grain head
IH 315 w/cab, grain & corn heads.
MF 750 D w/cab, air/heat, & 630 corn head.
JD 45 w/both heads
NH 975 Gas w/cab & both heads

### MANURE SPREADERS

NH 676 w/hyd. endgate, 320 BU.
NH 675 w/endgate, 300 BU.
NH 518, 220 BU.
NI 214, Liq. pan, 210 BU. A-1!
NI 218, w/hyd. Endgate, Tandem, 300 bu.
(3) NI 213, 177 BU.
IH 550 w/endgate, 200 BU.

### TILLAGE & PLANTING

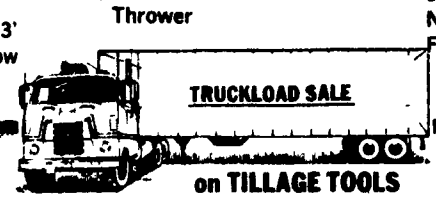
Leinbach 6' Disc-3 pt.
IH 9' Disc, pull type
JD 1000 12' Disc w/Trans. Harrow
JD 9' Transport Disc
JD 17 Disc Grain Drill
JD 2B Plow, pull type
Oliver 6B Plow, semi mount
Ford 3B Plow, 3 pt
Brillion 961 8' Seeder, pull type
Kewanee 10' Cultimulcher
IH 11 Shank 3 pt Field Cultivator
JD 16' Cultimulcher

### MISC

Hanson 300 Gal Sprayer, 28' Boom
JD 38 Chopper w/both heads
Behlen Grain Dryer w/engine
MF 246 Loader w/80" Bucket
Uebler 810 Silage Cart, 35 BU., only 2 yrs.
Weaverline 224 Silage Cart, 30 BU., w/automatic charger, rebuilt!

### HAY TOOLS

NH 1495 SP Haybine w/Cab
NH 1469 SP Haybine w/Cab
Grimm Hay Tedder
Kuhn 3 pt. 6' Sicklebar mower
JD #9, Sicklebar mower
JD 205 Rotary Mower, 5', 3 pt.
BMB 6' Rotary Mower, 3 pt.
Hesston PT-10 Haybine, 9'
NH 479 Haybine, 9'
MC 7E 7' Rotary scythe
NI 279 Cut/ditioner, 9'
NH 271 Baler w/thrower
AC 443 Baler
IH #46 Baler w/thrower
(2) IH #440 Baler w/PTO Thrower
NH 90 Bale handler, 3 pt., like new!
Ford 14-72 Rake, 3 pt.
NH 273 PTO Kicker
(2) AC 904 Conditioner
NI EZee Flow 127
MF 81 Haybine
NH 77 Baler w/engine
NH 269 Baler
NH 270 Baler w/PTO thrower
IH 56 Baler w/engine on thrower
MF 10 Baler w/PTO thrower
MF 12 Baler
IH 5 Bar Rake
JD 894 Rake 4 Bar
NH 256 Rake 5 Bar
FarmHand 4 Wheel Rake



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**COMBINES W/GOOD SELECTION OF HEADS**

Gleaner N6 w/Rear Whl. drive, 15' grain, 6R C.H.; Gleaner L.D. corn & soybean Spl. w/15' & 438 C.H.

JD 3300 Real nice.

JD 6620 S.H., 800 Hrs., Real Nice; 6620 S.H.; 900 Hrs., 1 Owner, JD 6620 LL, 900 hrs., 1 owner, nice; (75) 6600 D. Rotary Screen - Good; 6600 D. w/Grain, Good For $9,500; 55 Sq. B. w/Cab - Good; '74 JD 6600 D Hydro; 77 JD 4400 D.C.A.

IH (Used) 1460 Axial Flow - 900 Hrs., Very Nice; (76) 915 Dsl., C.A. Turbo Hydro; 715 Gas - Good; 205 w/Cab & 10' G.H; 203 w/Grain & 227 C.H.

M.F. (80) 760 Hydro; M.F. (80) 750 Gray Cab, 700 Hours - Nice; 550, Low Hours - Nice; ('75) 510 D. Hydro w/Cab; (69) 510 D. w/Cab; 300 D. C.A. - 640 Hours, Excellent; 300 Gas - $2,650; N.H. TR70 C.A. Hydro; Gleaner (76) FD. w/C.A.- Nice; Nice; #90 Pull Type; Gleaner E 10' & 2 row CH.

N.I. 702 & 705 Uni-Systems w/Full Eq.; 767 Super Chopper; NI 727 Husking Beds.

JD 6620 w/Rear Wheel Drive.

**4 JD Combines Coming In:** 1976-7700 with 30x32 tires; 77, JD 6600 D. Hydro; JD 4420, real nice; IH 1440 Axle Flow.

**CORNHEADS: J.D.** 843 LP, 643 LP, 443 & 444 LP, 343, 244, 243, (New) 443 - $9,300; 313 (45), 205 (40) 234, 435; Late Model 643 & 443, like new; Late Model 444, 643-$5250 & up, 443-$4250 & up.

I.H. 883, 863, 844, 833, 744, 227.

A.C. GL 440, C440, A438, L438, M430, F430, F335, F330, K238.

M.F. 1163, 1143, 63, 44, 43, 24, 222, 422.

N.I. 738, 743, 730, 734, 725, 723, 762, 763; **White** 706N; **Ford** 4-30"; **Case** (404).

**GRAIN HEADS: J.D.** Used 220 flex, used 1 yr.; 12'-15' Incl. 213 & 215 & (2) JD 216 Flex.

I.H. 810-13' Thru 16.5' w/Reg. or Floating Bar; 710-13'.

M.F. 10'-16' Reg. or Floating Bar; A.C. E10', G15'.

N.I. 713 Flex Or Rigid.

**TRACTORS:**

**Local Trade:** Used JD 4450 C.A. w/490 hrs., like new.

Used JD 4240 C.A., Q.R., looks like new

J.D. (New) 4450 C.A.P.S. w/FWD, $44,500; New 4240 C.A.P.S. **(SOLD)**; New 4850, C.A.P.S.; 4640 C.A.P.S., Duals - 800 Hrs., Real Nice; 4640 C.A.Q.R. w/dual wheels; 4440 C.A.P.S. - Real Nice; 4440 C.A.Q.R.; 4240 Q.R. $15,500; JD 2940 w/F.W.D. & 260 Loader, Low Hours; 1977 JD 4230 C.A., Q.R., sharp, 2200 hrs.; 2940 w/R.G.; 2840 w/R.G.; 8630 4 WD C.A.Q.R., Full EQ. w/Duals; 8430 4 W.D. C.A.Q.R., Fresh Motor - Real Nice; 6030 C.A. Duals - Nice; 6030 C.A., Nice; 4630 C.A.P.S. w/F.W.D., Real Nice; JD 4630 C.A.P.S. w/new tires; JD 4430 C.A.Q.R.; 4230 C.A.Q.R.; 4230 P.S. w/R.G.; 4030-77, C.A., QR **(SOLD)**; JD 4040 PS w/R.G.; JD 4030 w/Fender; JD 4230 D w/RG Enclosure; 2940 w/R.G. & 38" Tires; JD 2630 w/Hi-Lo; 1530 w/Hi-Lo; 7520 4 W.D. C.A. - Duals; (70) 5020 - $5,900; 4620 w/Cab & New Tires; JD (7) 4020's 1964-1972; 4020 S.C., W.F.E.; 4020 P.S., S.C., W.F.E.; 4020 w/58 Loader; 3020 D. S.C., W.F.E.; 2520 D.; 2020 D. w/Loader; 2020 Gas; 3020 Gas, PS, original; 3010 D, nice; 4010 D w/new clutch; 4010 D. $4,500; 4010 Gas; 730 Gas w/3 Pt.; 630 Gas; 720 D. P.S. w/3 pt; 620 P.S.; 620 L.P., P.S.

I.H. (New) 5088 Full Eq. C.A., never used. Sale Price, $33,450; 5488 Full EQ., Radial Duals - Like New; 1086 C.A. w/Dual Whls., original; 1586 C.A. Nice; 1586 w/R.G.; 886 w/Cab 18x38 Tires, 700 Hrs. Like New; 886 w/R.G.; 3588, 2+2 w/Dual PTO, 1300 hrs., real nice; 1976-1066 C.A.; Farmall 1066 C.A., original; Hydro 84, Hydro 70; 784 - 1,000 Hrs., Real Nice; 1568 C.A. - 1,000 Hrs., Real Nice; 1566 w/Cab; 1466 w/Cab; 1066 Hydro - Original; 966 Original; 766 Original; 666 D., Real Nice; 674 D. 574 D. w/Loader; 656 Gas; 806 D.; 464 Utility, Gas, PS; 1256 w/Cab, Nice; 756 D. W.F.E. & F.H.; 756 G Hi-Clear; 656 Gas - W.F.E. - Original; 656 Gas & Diesel; 656 D. Hi-Clear; 826 D. Hydro; 1206, Nice; 806 D w/3 pt., new paint for $4,475; 706 D. - W.F.E. - 3 pt. - $5,000; 706 W.F.E. - 3 pt. Gas; 706 Gas T/A, W.F.E.; F.H.; 606 Gas w/3000L; 606 Gas w/L. - $4,250; Super M; 450 w/P.S. & F.H.; 230 w/F.H.; Super M; IH 240 Utility; 560D.

**Local Trade:** AC 4W, 305, 4WD, 400 HP, fully eq. w/20x38 Rad. duals, used 120 hrs., like new.

A.C. New AC 6080; (Used) 7045 C.A. - 20 Spd. - Real Nice; 7040 C.A.P.S., Like New; 6080 w/R.G. - Nice; 210 - New 20.8-38 Tires - Full Wts; 180 D. - W.F.E.; Good; AC 200 D original; D17 Series 4 - w/3 pt.; D14 WF w/Hyd. Loader; AC 220, real nice; XT190D. w/3 pt.; AC 7020 C.A. **(SOLD)**

**CASE** (Used) 1690 C.A.P.S., 200 hrs.; Case 2590 C.A.P.S. - 925 Hrs. - Like New; 770 D. WF, original; 1370 C.A.P.S. Factory Duals - Full Wts.; 380 D. w/R.G.; 1070 - P.S. $6,850; 930 C.K. w/3 pt.; Case 885 D. w/L.

M.F. 2675 w/R.G. w/1,000 Hrs.; 1155 C.A.M.P. - $8,500; 1135 C.A.M.P.; 1130, MF 175D w/Loader; 1100 **(SOLD)**.

**Ford** TW 35, used 150 hrs., local trade, like new.

**Ford** 9700 C.A., real nice.

**FORD** 9600 w/Cab; 7600 w/Dual Power - Nice; TW-20 w/220 Hrs. - Damaged; Ford 641 w/Hyd. Loader; '52 Ford 8N.

**Ford** 860 w/PS & Loader; Ford 3000, P.S.

**OLIVER** 1855 w/20.8-38 tires; 1950 T w/Cab - $5,975; 1650 D., WF w/3SP; 1550 gas.

**WHITE** 4-210, 4WD w/duals, 3 pt. fully eq., 1600 hrs., real nice; (New) 2-65 w/F.W.D. & (New) 1730 Loader - List $29,000 Sale - $19,900; 2-135 C.A.

**MISC. AGRI-POWER** - 9,000-115 HP - Made by Fiat - 80 Hrs. **(SOLD)**; M.M. Vista G1000 w/Cab & Loader.

**(Several farm stocks purchased recently)** Richardton Stationary Silage Conveyor Box; IH 3288 w/C.A. w/670 hrs.; 1086 cab & air; JD 4440 w/P. Shift & R.G.; Case 2590 CA, PS; Case 2090 CA, PS, 970 fender, original; JD 4230 CA, QR; 4320 real nice; J.D. 2940; 4020 SC; 3020 D.; JD 4520 w/Factory Cab; JD 2840, 1 owner; Farmall 76-1566 CA, duals; Int. 464 Utility, Gas; MF 1100, original; Ford County Super 6, 4WD, w/3 pt.; JD 2010 G.; Farmall Super A w/Cult., Plow & Sickle Mower; Owatonna 1700 Skid Loader; NH 38 flail chopper, real nice; NH 36 flail chopper; Brillion transport wing harrow.

**Tractors and Equipment Coming In:** JD 4630 S.A. Cab & Air; JD 40 w/3 pt.; Case 310 Crawler Loader; Dunham Lehr 8R hydraulic fold S tine cultivator; Hardee ditch mower; Amco 3 pt. ditcher; 9' Rhino 3 way hydraulic blade.

**TILLAGE EQ.:** IH 800, 9x, auto reset, flex plow; Bush Hog 20' Hyd. Fold Disk; AC 28' Hyd. Fold Disk; Ford 236, 9' Heavy Disk, like new; Hydro w/10' direct cut header; 3800 w/Elect. Controls; 38; 5200 S/P w/R.W.D. - Fire Damaged Cab; JD 35.

N.H. 890, 782, 770, S717; NH 880 w/2RN C.H., nice; Fox 3310 w/3RN.

**GEHL** 600 w/2R; IH 830 w/3RN & Pickup $3900.

**FLAIL CHOPPERS:** NH Used 38, I.H. 10; N.I. 4R Stalk Chopper.

**FORAGE WAGONS:** 4 JD 716A w/roof & tandem wagon, **like new (two sold and two remaining)**; N.H. #8 w/roof, like new; New Pequea 8x18 Bale Wagons & Brillion 25' - Hyd. Fold; Brillion 10'.

**CULTIVATORS: J.D.** RM 3 pt. 6R rear; JD 4 row 3 pt. rear; Case 6 to 8R 3 pt. hyd. fold cult.; Littleston 4R-3 Pt. field cult.; **J.D.** 1000-25' - Hyd. Fold.

**MISC: I.H.** #2 & 7 Shank V-Rippers; Glencoe Soil-Finisher 12'9" - Like New; Howard 13' Rotavator; Bush Hog 7-Shank V-Ripper $1,650.

**INDUSTRIAL: CRAWLER LOADERS:** CAT 955L, Nice; A.C. H-3 w/6 Way Blade; A.C. 500-21' Forklift; J.D. 840 Self Loading Scraper; Bobcat 722 Skid Loaders.

Oliver OC12 Crawler w/Blade, Clecteac crawler w/blade.

**LOADERS & BLADES: J.D.** 48, 58, 148, 145, 158; **IH** 2050 **(SOLD)**; 2450; 2350; 2355 (New); Used 2000, 2001 New Great Bend 700; NI Loader; MF 246 Loader; I.H. 8' Blade Fits 400-560; (New) J.D. & I.H. Buckets; New Leon Heavy Front Blade for 4WD; Caldwell 7 & 8', 3 pt. blades; NI 4R shredders; JD 400, 15' rotary hoes.

**LAWN & GARDEN: IH** 134 Cub 185, Cub LoBoy; Cadet 682 & 128, 1450, 482, 169, Cub; Cub w/mower; Sahto 550 w/mower; JD 950.

**J.D.** 318 w/3 pt., used 110 hrs

**J.D.** 318 w/25 hrs., like new.

**J.D.** 400, 318, 314, 212, 140, 112, 317, 316, 116.

Trailer load of (New) Killbros Bins & Running Gears; Artsway 800B w/Elect. Scales - Like New, $6,250; Feedwagon; Bestland Rock Picker; J.D. 350 Sickle Mower; (New) Sidewinder 213-13' Rotary Cutter; (New) McKee Snow-Blower Front-Mount; TANDEM AXLE FERTILIZER SPREADER; J.D. Quick-Couplers; Sets Of Press Wheels For J.D. Drills; (2) New Sets J.D. 38" Cast Whls. & Rim For 4640; I.H. Flat Top Fenders For 706-1466; CABS For Tractors - J.D., I.H. 66 Series; (New) Full Vision Cabs For M.F. 165 Thru 1135; Dual Wheels; J.D. & I.H. Front & Rear Wts.; J.D. & I.H. Roll-Guards; Fast Hitch for 560 & 450; JD belly mowers for JD 850 & 950 etc.

Heavy Front JD blade for 3020 & 4020, etc.; 30 sets of Dual Wheels.

**STRAW CHOPPERS:** For **J.D.** 4400, 6600, 6620, 7700; **M.F.** 510, 760.

**TRUCKS:** I.H. Scout 4x4; DELTA 44' Combine Trailer; 79C.O. Freightliner; 1979 Polar AM 42' 6200 gal. milk trailer.

**MECHANICS SPECIALS: TRACTORS:** MF 1805, 4WD w/C.A., dual wheels, 3 pt., needs motor, short block; J.D. 4230 P.S. - Trans; 4020 Tri; 4320 w/Cab.

**I.H.** 1256 - Motorwork.

**CASE** 1410 - Motor; 1212 - Housing.

**OLIVER** 1855, needs motor; **OLIVER** 1800 - Motorwork; Farmall 1586 w/fire damage.

J D 5200 S/P Chopper w/R.W.D. - Fire Damaged Cab.

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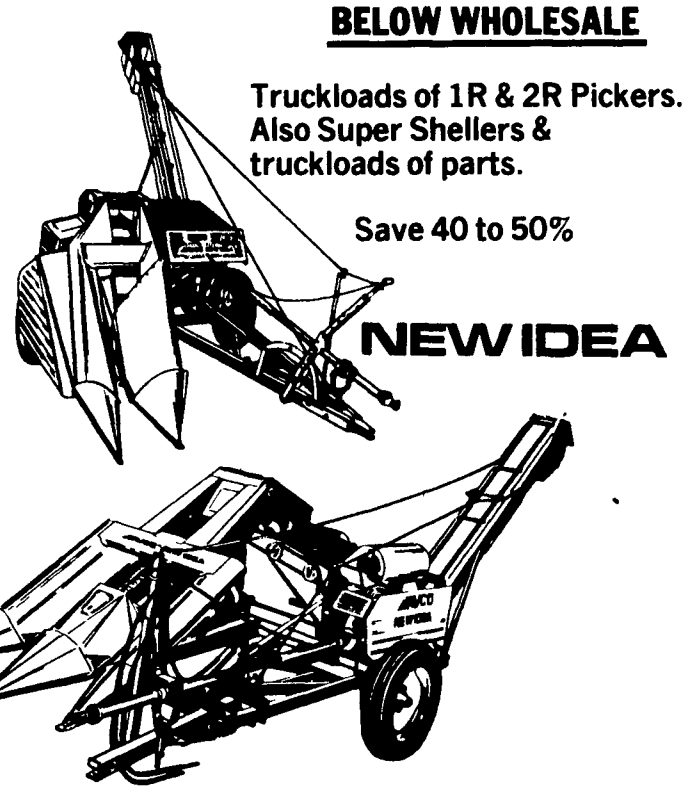


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**HAY EQ.: BALERS: J.D.** 336W w/Thrower - Real Nice; 346T w/Thrower; NH 310 w/Thrower; NH 320 w/70 Thrower; NH 420's, real nice; 280 W w/Motor; NH 275 & 273T w/Thrower; **I.H.** 440; **N.I.** 456 Round Baler; N.H. 851 Rd. Baler.

**RAKES:** Used NH 256 for $1,450; NH 260 & 258 w/dual hitch setup.

**N.I.** (New) 406 w/Dolly Wheel - $2,275.

**J.D.** 660 w/Dolly Wheel; New Deutz Fahr 17' Hay Tedder, used Grim 17' Hay tedder.

**HAYBINES: N.H.** 1495 S/P Hydro C.A.D. - 1,100 Hrs. - Real Nice; NH 1469 S/P, 9' w/Cab; (Used) 489, 488 Nice; (2) 479; 472 7' (Nice) like new; (82) NH 489, real nice; NH 477, 7' for $2,350.

(Used) M.C. 7E; N.H. 1034 Stack Wagon.

**FORAGE HEADS: N.H.** 717-S Direct-Cut for 770 & S717; 737 Direct Cut For 717; 890 EN-2RN Snapper Head; 770-1R Snapper Head; 1, 2, & 3R Silage Head; Hay Pickups.

**J.D.** 8' Direct-Cut Head; 1, 2 & 3R Snapper Heads; 2 & 3 R Silage Heads, New & Used 5½' Hay Pickups; 7' Hay Pickups; 4-R Stalker Head - Real Nice; JD 243 C.H. w/adapter plate; 5 JD C.H. harvester adapter plates.

**I.H.** 2 R.N. Silage For 550-650.

**FOX** 2 CSB 2RW - Snapper Head; 263-2 RW; 215-109 Hay Pickup; 476 - 7' Hay Pickup.

**GEHL** HA 400 Pickup.

**FIELD QUEEN** 1413 Flail Cutterhead, 8'.

**PLANTERS:** (Used) 7000-6R Cons. Liquid w/No Till; 7000-4R Dry & Liquid; IH 800 Cyclo 8R 30" w/liquid Fert., insect, & monitor; JD 4R Cons. w/Dry Fert., Insect. & Monitor.

**I.H.** 800 Cyclo - 6R w/Dry Fert.; Ins. & Monitor.

**WHITE** 5100 - 6R Drl.

**DRILLS: JD** 8300 (Like New) D.D. 100 Acres; 21x7 D.D. w/Soybean Att; 8300 21x7 D.D. - $3,250; 510, 21x7 D.D. w/Press Whls; 510-16x7 S.D. w/Fert & Grass Seed; New IH 5100 21x7 D.D. Soybean Special w/press whls., $5,250.

New JD 28' Hyd. Fold Rotary Hoe Under Dealer Cost.

**GRINDER/MIXERS:** NH 357; IH 1150; Brady 1050 Hydro. Gr. Mixer; JD 400.

**BLOWERS:** NH 27; JD 6500, nice.

**TILLAGE EQ.: PLOWS** JD 2+3x #845 Rollover; **I.H.** 5x16 Semi-Mount w/Spring Reset; **OLIVER** 546 - 5x16 Spring Reset; **I.H.** 720- 6x20 sp. reset; I.H. 700 - 6x16 Spring Reset; **WHITE** 549 6x18 Spring Reset On-Land; J.D. 7x; M.F. 6x on land hitch; (2) JD 4x16 plows; JD 2500 4x reset plow.

**JD** 2500, 6x18 sp. reset.; JD 8450-4B Rollover Plow.

**CHISEL PLOWS:** JD 14' w/Gauge Wheels; Brillion 8'; Athens 9'; (New) D.M.I. 12'; I.H. 55-12'; Brady 1000-14'. **DISCS:** Miller 10' Offset; Hutch Master 9' Offset Disk; JD 310, 13'; JD BWA, 12; I.H. 480 - 20'; **A.C.** 25' Hyd. Fold; JD 230, 20' hyd. fold; JD 215, nice.

**MULCH TILLERS:** Glencoe SS13 Hyd. Fold Soil Saver; J.D. 1710 - 11'; Krause 2800 - 14'.

**CULTIMULCHERS:** New Dunham Lehr 13' at dealers cost; Brillion 21' hyd. fold, nice; JD 3 pt., 12' Mulcher.

**PACKERS:** (New) Brillion - 12'; (New)

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- New MF 270, 55 HP, M.P. Trans..... Cash $13,900.00
- Demo MF 3545, 125 HP, Cab w/Air ..... $27,900.00
- Used MF 165 D., 52 HP, MP Trans..... $5,500.00
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- Used IH 650 Harvester & Cornhead..... $995.00
- Used NH 23 Hopper Blower ..... $275.00
- Used Gehl 99 Blower ..... $1,595.00
- Used EZ Forage Box 6x16 W/Roof..... $2,400.00
- Used New Holland 8x16 Forage Box Model #8 ... $1,995.00
- Used J.D. 5 Ft. Flail Chopper ..... $650.00

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- Used Little Giant 26 Ft. Elevator w/Motor ..... $775.00
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- New Hefty Bale Wagon, Heavy Duty 8x18 ..... $1,150.00

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- Used Kewanee 3 Point, 11 Tooth Chisel Plow .... $550.00
- Used Ford 3 Point, 8 Tooth Chisel Plow ..... $450.00
- Used MF 43 3 Bottom, 3 Point Hitch Plow ..... $450.00
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JD 4640, Quad, 20.8x38 radial, fact. cab & air
1981 JD 4440 Power shift, fact. cab & air
JD 4440, fact. cab & air, QR.
1979 JD 4240, fact. cab & air Quad range
JD 4040, fact. cab & air, quad, 38" rubber, very nice
JD 4430, quad, fact cab & air
JD 4030 w/year round cab, dual hyd., 38" rubber
JD 4010 gas, recent overhaul, very sharp
JD 4010, gas, WF
JD 2940, 1980 model, fully equipped very nice
JD 2750 Fender tractor, like new
JD 2640, late style, w/15.5x38 tires
JD 2640 w/Hi-Lo, dual hyd.
JD 2640 w/JD 146 Loader
JD 3020 Dsl., side console, WF, syncro.
JD 3010 Ds SOLD cent engine overhaul, nice
JD 1530 Dsl. w/recent engine overhaul
JD 2510 Gas
IH 1486, fact. cab & air, red interior, 20.8x38 radials, dual PTO & 3 outlets
IH 1086 Fact. cab & air, radial tires
1981 IH 986, fact. cab & air, 38" radials w/late features, very nice.
IH 986 '79 model, fact. cab & air, low hours
IH 886 Cab & Air, Fully Equipped, Sharp Low Hr. Tractor
IH 1066, fact. red cab & air
IH 1066 fact. white cab w/air, nice
IH 1066 w/100 hrs. on Major Overhaul
IH 766 Black stri SOLD 300 orig. hrs., fender tract, very nice
IH 766 Black stripe, 1976 model, cab w/air, 38" rubber, very nice
IH 1206 w/dual hyds. & PTO's
IH 856 Dsl. WF, fender tract.
IH 856 Dsl., 3 pt., WF, year round cab w/air.
IH 756 Dsl. 3 pt. WF, very nice
IH 784 w/Quick attach loader
IH 656 Dsl., hydro, 3 pt., NF
Farmall H, live hyd., nice.
Oliver 1850 Dsl. w/WF SOLD
MF 1085 w/multi-power, 16.9x38 rubber, nice
MF 175 Dsl. w/multi-power

## HARVESTING EQUIPMENT

JD 4400 Dsl. Combine, Late '79 Model, very nice
JD 5400 self-propelled chopper, cab, air & hyd. w/3RW, 3RN, hay pickup, adapter & 343 corn head.
MF 510 Dsl., w/cab & air & grain head, very nice
IH 715, Cab & Air, Gas, Hydro, 800 Series, Throat, w/810 grain head, very nice unit
IH 205 Combine w/grain head, one owner, very nice.
NI 802, air, rear wheel assist
NI 707 Perkins Dsl. cab & air, variable speed
NI 705 GMC V6 diesel cab, variable speed
NI 702, V6, gas w/cab
NI 701 Inline 6 cyl., gas, variable speed, cab
NI 717 Combine, nice
Late model NI 325 12 Roll bed, very nice.
NI 325 12 roll bed, nice
NI 323 1R, 150 acres, like new
NI 716S Grain Head
NI 713 Grain Head
NI 868 Super Chopper
NI 767 Super Chopper, nice
NI 838 Husker & 841 Throat, low acreage
NI 737 Huske SOLD acres, like new.
(4) NI 737 Huskers
NI 727 Husking bed, very nice
NI 740 & 741 Quick Tach Throats
NI 768 3R WN Chopperhead
NI 866 Hay Pick-up
NI 844 N 4RN, very nice.
(2) NI 738 4RN Cornheads
NI 728 4RN Cornhead
NI 731 4RW Cornhead
NI 743 3RN, Quick Tach Cornhead
(2) NI 725 3RN corn head w/stripper bars
IH 943 4RN Cornhead, 250 acres
JD 443 4R Narrow Corn Head very good condition
MF 44, low profile
MF 43, low profile
MF 13 and 15' grain heads
IH 810 13' grain head

## IMPLEMENTS

IH 6000 Conservation til chisel, 13-tooth
Glenco pull type chisel, 10-tooth, 3 bar
NI 279 Cut/conditioner
JD 110 Disc, 14'
JD AW Disc, 14'
JD RWA Disc, 12'
IH 480 Wing Fold, 21'
IH 470 Wing Fold, 16', 6"
12' Miller Offset disc, 3 bar
IH 37 10' Disc, nice.

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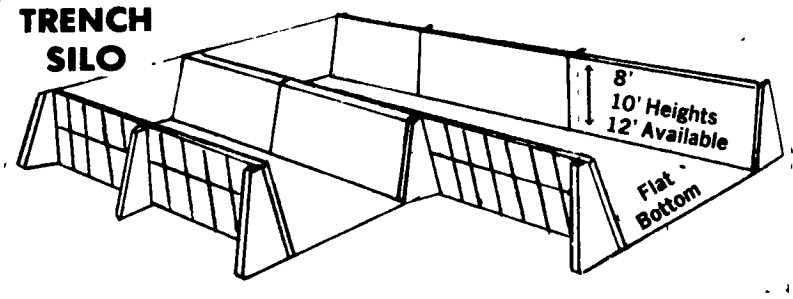


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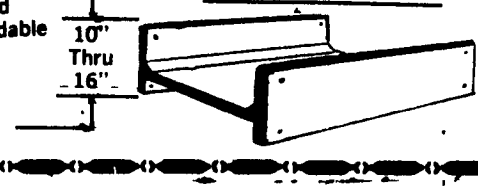


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## 1 FARM EQUIPMENT

**SHULER EQUIPMENT SALES**
RD #1 Box 228
Shuler Road
Shermansdale, Pa. 17090
717-582-4365 anytime
ACRES OF USED AND RECONDITIONED FARM EQUIPMENT AND TRACTORS
Also
ACRES OF USED EQUIPMENT AND TRACTOR PARTS
WE WILL BUY OR TRADE YOUR USED EQUIPMENT IN ANY CONDITION

## 3 SILOS AND UNLOADERS

## 2 FARM EQUIPMENT WANTED

IH Model Number 275, 570, 580, or 230 manure spreader. Any condition acceptable. 717-872-9152.

Used Highboy tractor for spraying sweet corn. 315-536-4776 after 9 PM.

WANTED: 2 row 30" head, for #38 JD harvester. 717-259-7815 after 8:30 p.m.

WANTED: 2 row AC head, that will fit 720 chopper, good condition. 301-478-2712

WANTED: Farm tractors, backhoes and industrial equipment for parts. Cash paid. 301-876-1956 give make, model, condition and price.

WANTED: Haymow drying fan in good working condition. Near Union Co. area. 717-966-3961.

WANTED: IHC 120 mower for parts. 304-263-9801

WANTED: NH 855 round baler. 301-334-1173

WANTED: Sunflower seed attachment for 215 JD rigid head. 717-467-2035 or 467-2039.

WANTED: Window sash, approx. 24x29. Also 18 hole grass seed boxes for grain drill. 717-534-1253

Wanted: MM 900 diesel engine, 451 cu. in. or crank shaft for engine, must be good. No Sunday calls. 302-684-8601.

Wanted: Parts for JD 54 Manure Spreader and parts for model M-7 NH self unloading wagon. 717-458-6973 after 8 p.m.

Wanted: PTO Manure Spreader, chain drive & hardware must be operative, reasonable. Monmouth Co., N.J. 201-780-0800.

## WANTED
**Liquid Manure Spreader**
**Mounted On Truck**
**At Least 3,000 Gal. - Must Be In Good Working Condition**
**717-367-3814**

## 3 SILOS AND UNLOADERS

(2) Ribstone silos, 16'x60' w/tripods, includes 1 unloader, $2,500. or Best Offer. 301-592-2298

## PEERLESS *The Proven Performer*

- RUGGED CONSTRUCTION
- FEED SAMPLES SHOW ITS SUPERIORITY

**See The 1986 Mills At AG PROGRESS DAYS**
Located On W. 9th St.

**CHALLENGER SILO MILL**
- Process -
**High Moisture Ear Corn For Silo**
Model 20034

**AUGER MILL**

*This Mill Out-Performs All Others For Today's Feeder*

**CHALLENGER SILO MILL**

**CHALLENGER SILO MILL With BLOWER**

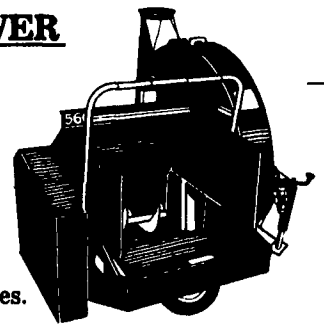
**CHALLENGER SILO MILL**
PTO From Any Silo Blower Attaches To Silo Mill... One Tractor Drives Both!
- Rolls Ear Corn
- High Capacity
- Auger Feeder
- Farm Proven

SMALL GRAIN MILL ALSO AVAILABLE

***Check These All New Features:***
- New Jackshaft Drive For Ear Corn Roller Mill And Blower. Blower No Longer Driven Thru The Mill. Units May Be Powered By 540 or 1000 RPM PTO for Greater Versatility.
- New Heavy Duty PTO Supplied As Standard Equipment To Meet The Demands Made By Larger HP Tractors.
- New Chain Oiling System For Chain Driving The Blower, For More Trouble Free Operation.
- New Larger Hydraulic Auger Feeder With 10' By 12" Auger. Moves All Grains Faster And Easier.

**FORAGE BLOWER**

The New 560 Blower, Tough Enough To Go The Distance!



- Blows 2 tons per minute, up to 100' high.
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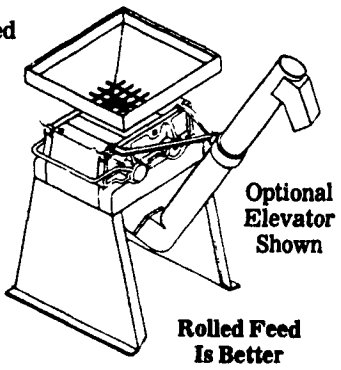

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20x60 Fickes ... w/ ... unloader, empty, Jamesway VII unloader, 12', complete, Lancaster 12' silo gooseneck, 12 silo roof; 40' of silo ladder and cage 215-384-4370.

For Sale: Disassembled 20x70 Fickes Silo w/ concrete chute & unloader, 5 years old, $7,500. Lebanon Co 717-865-7069

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Two 24x70 Madison silos w/Jamesway unloaders, good condition, $25,000 for both 301-371-6981

WANTED: Used 14' silo unloader Berks Co 215-944-8371


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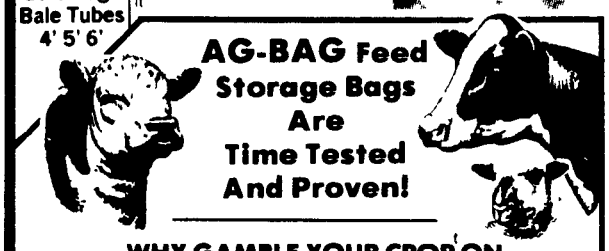


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Check Us Out At AG Progress Days!

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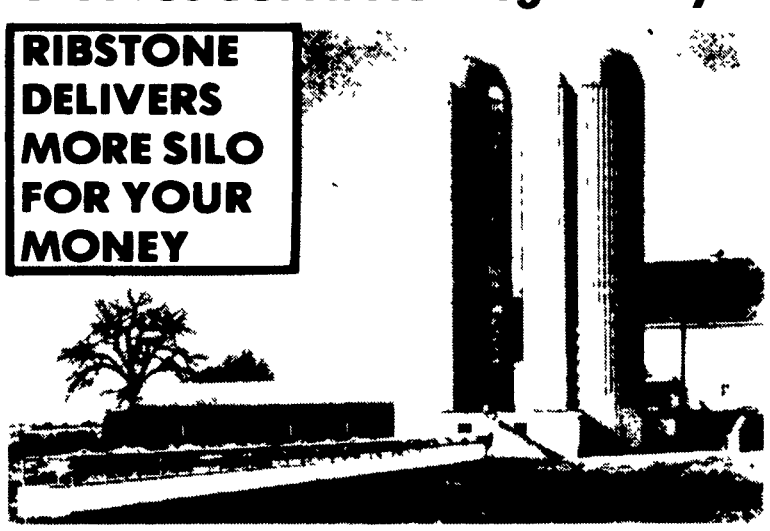

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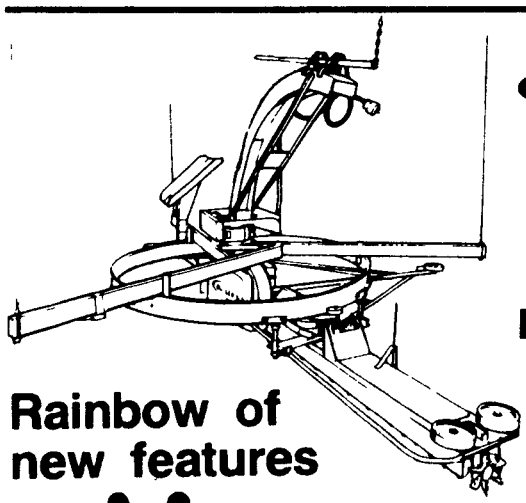

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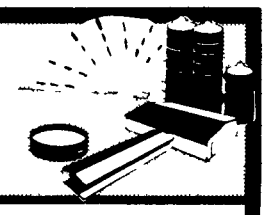

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14x60 concrete stave silo w/VanDale unloader, also feed bin and grain storage bin 717-776-6978

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**1 BOTTOM UNLOADING CONCRETE SILOS**
- Oxygen controlled
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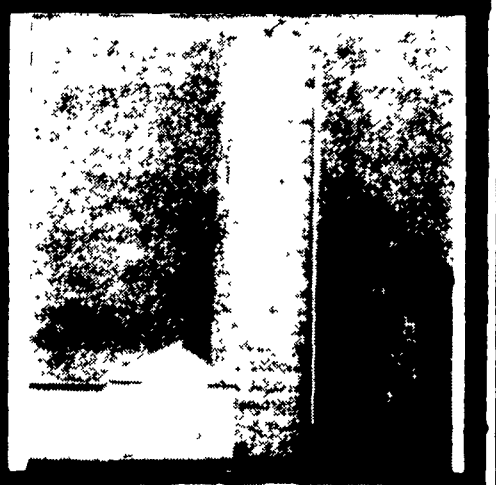
- Harvestore unloaders for hay-lage and grain



**2 TOP UNLOADING CONCRETE SILOS**
- 6" steel reinforced solid concrete walls
- Compare our superior construction and features
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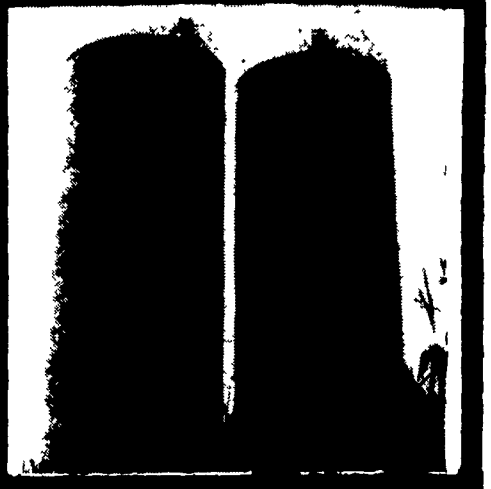

**3 UPRIGHT BUNKER SILOS**
- Low cost storage
- Fast installation
- Moveable

**4 MANURE PITS**
- Poured in place or precast concrete
- Above or below ground
- SCS approved

**5 FEED BUNK**
- Long lasting reinforced pre-cast concrete
- 3 styles of H-Bunk available
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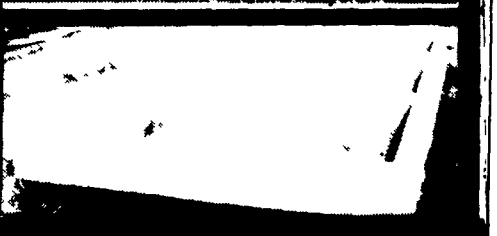

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- Maintenance free precast concrete

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- ☐ 2 Top Unloading Concrete Silos
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- ☐ 4 Manure Pits
- ☐ 5 Feed Bunk
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Check Your Silo For Bad Staves or Rotted Concrete From Corn Juice. Also Check Plaster, Unloader Cables, Unloaders, Etc.

If You Have A Problem - Don't Fill It - Get It Fixed, Or Check Your Insurance Policy.

A Silo Is A Building That Needs Maintenance To Stay There

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***Systems That Assure Continuous Service Day After Day***

**FICKES SILAGEMASTER**
Silo construction is not only an engineering science, it is also an art. Fickes Silos exemplify these principles, with their fine stave design and strength ... durability... and manufacturer's care in building.

The Silo-Matic RING UNLOADER
for STRENGTH and STABILITY
The RING that has ALL 3
Silo-Matic TRAVELING BELT FEEDER
FAST HIGH VOLUME CATTLE FEEDING WITHOUT SEPARATION

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**FICKES SILO COMPANY**
NEWVILLE PENNA 17241

**Phone 717-776-3129**

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Wanted: Harder silo or staves, 12½" wide w/four ribs. Lanc. 215-445-6342.

**Plastic**
# SILO LINERS
**For Silos**
**with or without unloaders**

Because of the volume of liners being sold, we cannot guarantee delivery on last minute orders at silo filling time We are offering discounts for early orders, so we know which sizes to make in advance

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Tear down and rebuild, extensions, silo roofs, permanent pipe, distributors, unloaders, feeders We specialize in Replastering Silos
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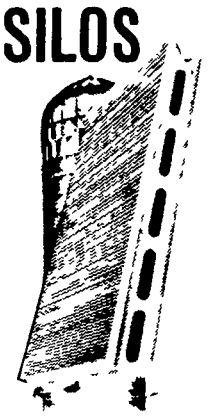

- You save money by ordering your Madison Silo early
- Unique truss-beam design makes the Madison Vibra-Cor stave the thickest in the industry with twice the strength of other concrete staves
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POLE BARN - Complete Material Package - 24'x40' ONLY $2,171 00 Many other sizes available Call PACKAGE BUILDING SUPPLY 1-800-772-0072

Pole Buildings 24x40x8 completely erected, $3,950 Includes 1 service door and choice of 9x7 overhead or slider Contact us on any size, fast starts on most buildings Call Skyline Buildings for your local representative at 1-800-634-0016

WANTED Free stalls, in good condition, prefer curb mount 717-259-7815 after 8:30 p.m

Miracle Span 36x70 for immediate removal Make offer. 215-384-4370

New aluminum replacement windows, 44"x54", 36"x53½", 28' x66", 27¼"x75", 47¾"x61½", 28¼"x71", 41½"x57½", 65½"x34¾", 17"x58", cost $70, now $18. Also, storm windows, $10-$15 each 717-354-0680

36" Whitney planer, 25 HP motor, or belt drive by tractor, $1,500 or offer. 301-898-9469 after 6:00 PM.

August Special: 32x56x10 completely erected for only, $8,295. Price includes service door, sliding or overhead door. Other sizes available to 72' wide. Prices start at $2,950. Benedict Construction. 215-264-5995

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We buy direct from the logger. Prices are lower than in 1985 Write for prices.

Won't bend or sag like competitive lumber. Pine Boards Surfaced on 1 or 2 sides. Excellent for shed and barn siding. 6" to 12" wide 10' to 16' long

Framing lumber also

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**Special on Roofing**
**Asphalt & Fiberglass Shingles**
25 year, 240 Weight
Some shingles $10 per square
Off color shingles $8 per square
**$13.21** per sq. + tax, many colors
ALL TYPES OF TAR AND FELT PAPER
**$2.00 to $7.00** per roll
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WATSONTOWN PA
MC GSI
**"Big Discounts"**

Surge Alamo 2300 vacuum pump w/8 h.p. motor, new; Girton 800 gal. bulk tank. 201-879-5851 Day, 201-584-5054 Evenings.

Three DeLaval pail milkers, utile vacuum, pump, electric dumping station. 215-589-5562.

Two Allensville planning mill calf hutches, nine units each; 800 gal. Mueller milk tank, two 3HP compressors, auto washer. 215-948-9762.

WANTED: Double 4 harringbone parlor. Prefer DeLaval milking equipment. 215-493-3033

WANTED: Fiberglass calf hutches. 304-263-9801

WANTED: Free stalls, in good condition, prefer curb mount. 717-259-7815 after 8:30 p m

WANTED. H type concrete feed bunks, approx. 120' in length 215-255-4359.

WANTED: Used equipment 8 claws with shells, 8 auto detachers, 75' of 3" SS line 215-488-6835

Wanted Delaval #78 pump, complete with motor or similar pump with 50 CFM's or more Also For Sale Delaval flow-view claws 717-438-3205

Wanted Milk dumping station with electric motor and washing unit 717-667-3769

12 Boumatic 2100 meter take offs, good condition, $450 each. 301-371-6981

1½" Glass pipeline, 20' Badger Silo unloader, Patz Barn Cleaner, 500 gal. Craft bulk tank, forced to sell, best offer. 201-730-7826 evenings.

King Zero Ice Builder w/3 h.p. compressor; 1 plate cooler; Quantity of 56 mm half gallon glass bottles in racks.
**717-759-9221**

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150 Gal. Creamery Package
200 Gal. Mojonnier
200 Gal. Jamesway
300 Gal. Mojonnier
400 Gal. Mojonnier
500 Gal. Girton
500 Gal. Mojonnier, Round
Storage Tank
1000 Gal. Esco
Hagerstown, MD
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**RUBBER MATTING AND USED BELTING**
- COMFORT STALLS
- FREE STALLS
- HORSE STALLS
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- HOG PENS & HOUSES

All Sizes Available & Custom Cut
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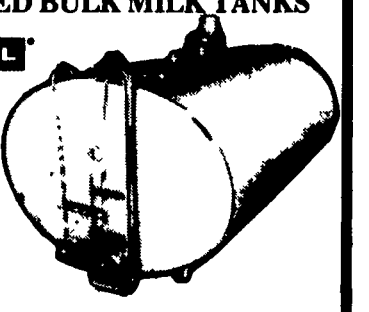

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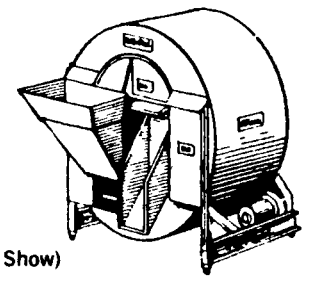
**WHEN YOU VISIT THE AG PROGRESS SHOW AUG. 19-20-21, STOP AT THE STEINER ROSKAMP BOOTH TO SAY HELLO!!**

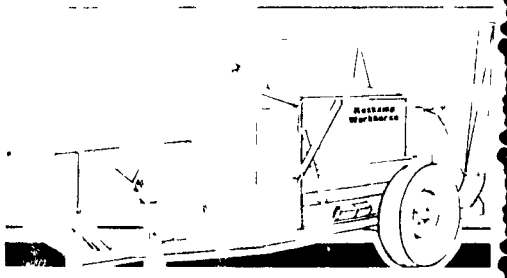
**"STEINER" T.M.R. MINI-MIXER**



(On Display At Show)

- DIGITAL OR FLUID SCALE AVAILABLE
- Design Simplicity
- Moving Parts
- Gal Steel Tank
- Year Warranty)
- Low Horse Power
- Sizes 45-80-120-180 Cu. Ft Units Up To 600 Cu Ft. Available

Roskamp Ear Corn P.T.O. Roller Mill For All Mature Corn Will Be On Display At The Show.



Smaller Stationary Mills To Roll Small Grain on Display Also.

Ask Me About:
Reconditioned Silo Unloaders - All Sizes Most Brands Available. 6 Mo. Warranty "Show-Ease" Cow Stalls, Water Bowls, Cow Mats, Trough Tile, Gutter Grates. Will Quote A Firm Price & Furnish Plan

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520 gallon Mojonnier vacuum tank with Dr Walker stamp, $1,000 302-674 4068

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- 1 - WIC model 70, 74 bu., 7 hp silage cart
- 12 - Bou-Matic auto. take-off w/milker units & meters
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- 1 - Used Surge Model Alamo 30 Pump w/2 HP Motor
- 1 - Used Universal w/3 HP Vac. Pump
- 1 - Used Bou-Matic Vac. Pump w/2 HP Motor SS Dist. Tank
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Highcroft's fiberglass drinkers are specially insulated, require no electricity or heat to prevent freezing Hold ground water temperature, summer and winter Rugged, uncomplicated design for long service Easily connected to present water line

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We are probably the most experienced Energy Free drinker dealers in the East with over 6 years experience. Write or call for more information.

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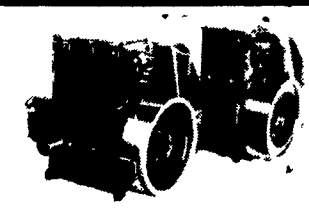
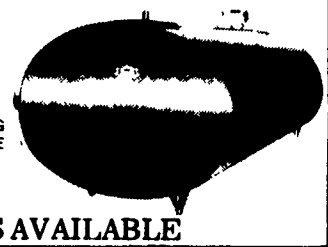
3-150 bhp

**TS2/TS3 AIR COOLED DIESELS**



SUNSET SUPPLY, INC.

Authorized Dealer For
MODEL SED

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Sunset's pre-formed heavy gauge stainless steel evaporator plate is the heaviest in the industry.

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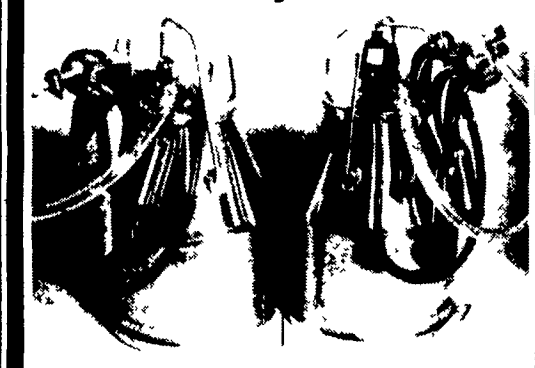
**NEW SPUTNICKS Available Now**

**Pail Milkers Pipeline Units Western and DeLaval Style**



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- 800 Gal. Mojonnier
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- 3000 Gal. SOLD und (Like New)
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- 1 - GE 10 H.P. Motor
- 1 - Surge 75 CFM Alamo Pump w/Motor
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- 6 - Bou-Matic Weigh Jars, Post Mounted
- 1 - Westfalia Mini Pump, Handles 2 Milker Units
- 1 - DeLaval 2" Receiver Group
- 1 - DeLaval Pipeline, Complete, Less Pipe
- 1 - 3 H.P. Universal Pump
- 1 - Surge Alamo 30 Vacuum Pump, w/Tank & Motor
- 2-3.6 H.P. Surge Motors, 3 Phase, $50 Each
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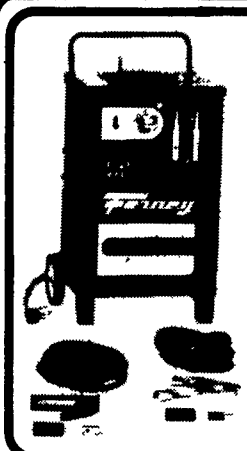

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**10% OFF on WELDING RODS**

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| • 6 Panel 16 Ft. | $55.68 | $48.68 |
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| • 10'x50" Tube Gates | $43.19 | $38.19 |

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| | Reg. | SALE |
|---|---|---|
| • 8 Ft. Round Bale Feeder w/Panel | $120.00 | $91.00 |
| • 8 Ft. Round Bale Feeder | $95.10 | $87.10 |

**All Other Items From Applegate 10% OFF Reg. Price**

## LONG-ACRE BALER TWINE

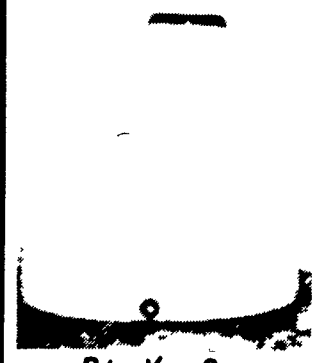
- 1-9 Bales, 9,000' Reg. $18.39 . . SALE **$15.99**
- 10-24 Bales, 9,000' Reg. $18.09 . . SALE **$15.75**
- 25-Up, 9,000' Reg. $17.79 . . SALE **$15.60**

**ROUND BALE TWINE**
6,000'
Reg. $20.39 SALE **$18.90**

## STOCKADE PANELS

- 60"x16¼" Steel Panels
  Reg. $27.99 SALE **$24.50**
- 52"x16' Combination Panels
  Reg. $17.99 SALE **$16.00**
- 34"x16' Hog Panels
  Reg. $15.99 SALE **$13.99**

## NEW BULK DAIRY PIPELINE AND BULK TANK CLEANERS



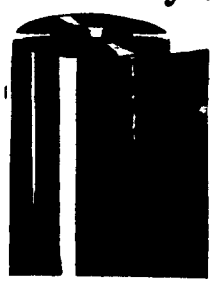
*Bring Your Own Containers*

**Reinforce Circulation Cleaner And Acid Rinse**
- 5 Gals. . . . . $3.80/Gal.
- 10 Gals. . . . . $3.70/Gal.
- 15 Gals. or More . . . . . $3.60/Gal.

**Heavy Duty Circlean Chlorinated Circulation Cleaner**
- 5 Gals. . . . . $4.80/Gal.
- 10 Gals. . . . . $4.70/Gal.
- 15 Gals. or More . . . . . $4.60/Gal.

## Black Polyethylene SILAGE COVERS

6 Mil. Thickness



| | SALE | Reg. |
|---|---|---|
| • 20x50 71740 | $21.99 | $26.09 |
| • 24x100 71720 | $46.13 | $56.79 |
| • 32x100 71725 | $59.22 | $75.79 |
| • 40x100 71730 | $69.99 | $89.39 |

## MOWER GUARDS

DM 700 Guard
Universal
71309

Reg. $2.99
SALE **$2.19**

## REVERSIBLE SHOVELS

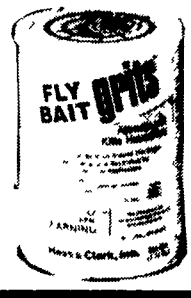
DF-10

| ORDER NUMBER | SALE | TO FIT O.E.M. |
|---|---|---|
| DF10 | $1.45 | UNIVERSAL |
| DF14 | $1.45 | UNIVERSAL |
| N506M | $1.79 | JOHN DEERE |
| 58181A | $1.45 | GLENCO |
| 134 | $1.79 | UNIVERSAL |

## DRYCIDE

20 Lb.
Reg. $13.69
SALE **$12.21**

## FLY BAIT GRITS




2½ Lb.
Reg. $10.19
SALE **$9.09**

## BEEF & DAIRY SPRAY-C

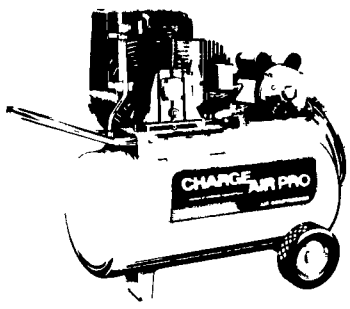
Reg. $36.99
SALE **$30.99**

## SCREW WORM AEROSOL - L

10 oz.
Reg. $3.19
SALE **$2.69**

## 2 H.P. COMPRESSOR

by Ingersoll-Rand

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- 115 or 230 Volt
- 6.8 C.F.M.
- 125 P.S.I.
- 15' Hose w/Chuck
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**SALE**
**$299.95**

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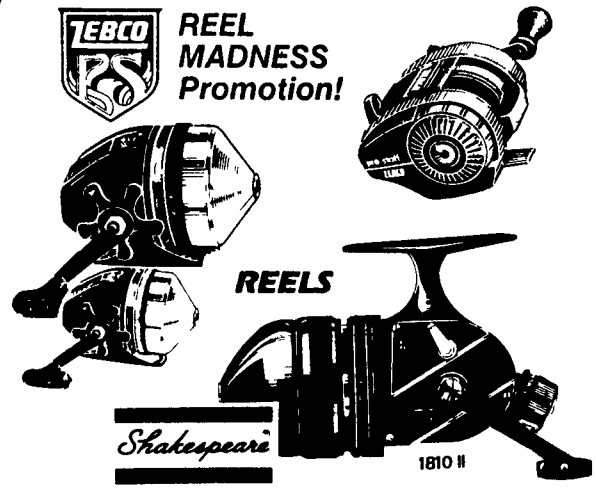
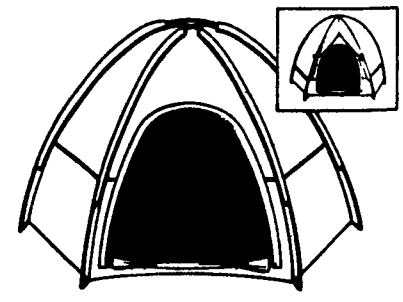
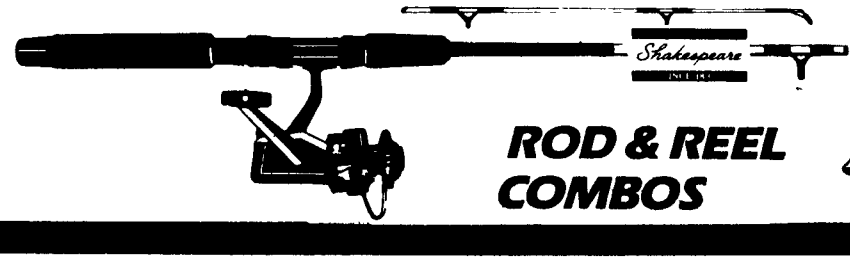
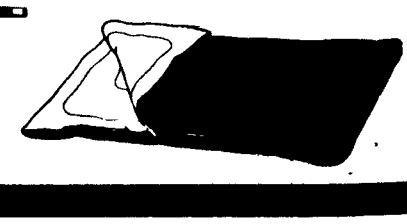



## Summer Clearance



**ALL FISHING TACKLE & CAMPING SUPPLIES**
**25% OFF**



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**All Orders During Ag Progress Days Over '250 Delivered Free To Your Farm!**

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**Ask About Our 4 Year Guarantee On Rear Tires**
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Ag Progress Special

## $25.00 CASH REBATE Per Tire On Super Hi-Power Lug Radials

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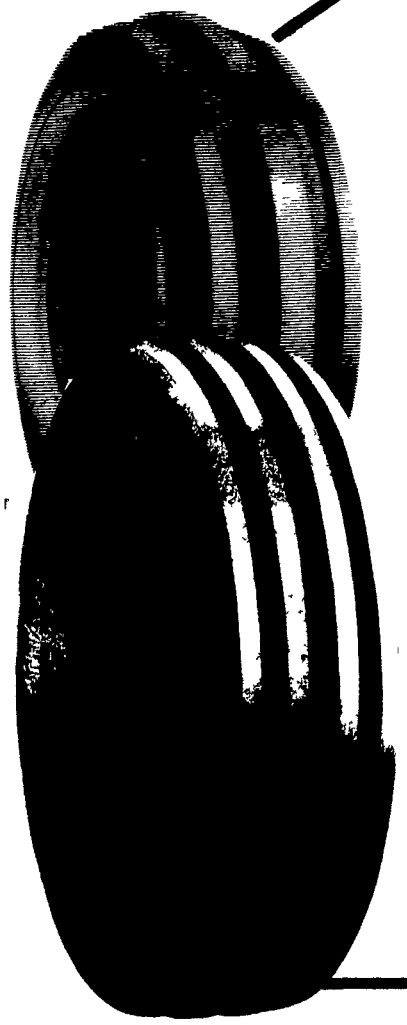
|---|---|
| 14 9R28 10 Ply | $325.00 |
| 16.9R28 10 Ply | $399.00 |
| 18.4R34 6 Ply | $399.00 |
| 16R38 6 Ply | $429.00 |
| 18.4R38 6 Ply | $459.00 |
| 18.4R38 8 Ply | $529.00 |
| 18.4R26 10 Ply | $449.00 |
| 20R34 8 Ply | $639.00 |
| 20.8R38 8 Ply | $649.00 |
| 20R38 10 Ply | $699.00 |



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**Shipped UPS - No Charge!**

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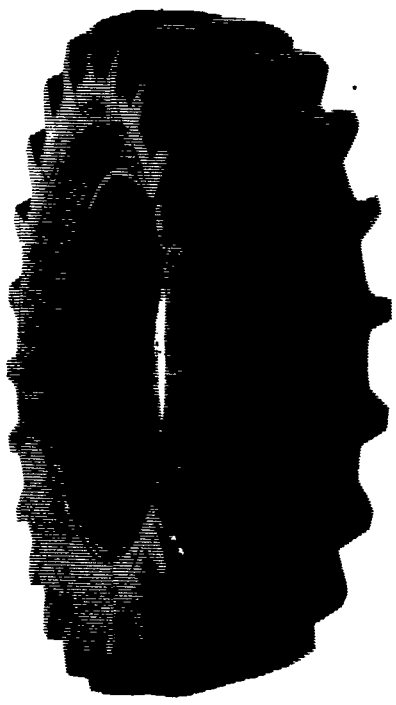
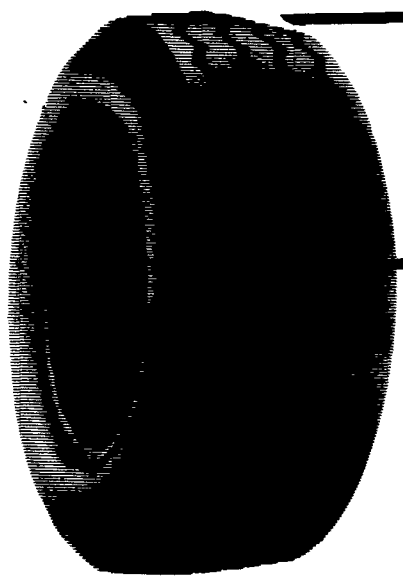
| ★ 3-RIB ★ | |
| 400-12 | $22.00 |
| 400-15 | $24.00 |
| 400-19, 4 Ply | $29.00 |
| 500-15 | $31.00 |
| 550-16, 4 Ply | $33.00 |
| 550-16, 6 Ply | $36.00 |
| 600-14, 6 Ply | $52.00 |
| 600-16, 4 Ply | $37.00 |
| 600-16, 6 Ply | $41.00 |
| 650-16, 6 Ply | $42.00 |
| 75L-15, 6 Ply | $50.00 |
| 750-16, 8 Ply | $54.00 |
| 750-15, 6 Ply | $50.00 |
| 750-18, 6 Ply | $64.00 |
| 750-20, 6 Ply | $77.00 |
| 9 5L-15, 6 Ply | $55.00 |
| 9 5L-15, 8 Ply | $60.00 |
| 10 00-16, 8 Ply | $80.00 |
| 11Lx15, 8 Ply | $75.00 |
| 1100-16, 8 Ply | $110.00 |
| 14L-16 1, 8 Ply | $160.00 |
| ★ 4-RIB ★ | |
| 11L-15, 8 Ply | $80.00 |
| 10 00-16, 6 Ply | $80.00 |
| 10 00-16 (TL), 6 Ply | $95.00 |
| 10 00-16 (TL), 8 Ply | $106.00 |
| 11 00-16, 6 Ply | $108.00 |
| 11 00-16 (TL), 6 Ply | $110.00 |
| 11 00-16, 8 Ply | $108.00 |
| 11 00-16 (TL), 8 Ply | $123.00 |
| 14L-16 1 (TL), 6 Ply | $180.00 |
| 14L-16 1, 8 Ply | $164.00 |
| 16 5L-16 1 (TL), 8 Ply | $250.00 |
| ★ 5-RIB ★ | |
| 1100x16, 12 Ply, Tubetype | $135.00 |
| 1100x16, 12 Ply, Tubeless | $150.00 |

## ARMSTRONG FARM TIRES
## Hi Power Lug



| | |
|---|---|
| 11 2x24, 4 Ply | $106.00 |
| 11.2x24, 6 Ply | $125.00 |
| 14 9x24, 4 Ply | $161.00 |
| 14 9x24, 6 Ply | $172.00 |
| 14 9x24, 8 Ply | $200.00 |
| 16 9x24, 6 Ply | $200.00 |
| 16 9x24, 8 Ply | $220.00 |
| 14 9x26, 6 Ply | $180.00 |
| 18 4x26, 6 Ply | $247.00 |
| 23.1x26, 8 Ply | $525.00 |
| 11 2x28, 4 Ply | $120.00 |
| 12 4x28, 4 Ply | $137.00 |
| 13 6x28, 4 Ply | $150.00 |
| 13.6x28, 6 Ply | $165.00 |
| 13.6x28, 8 Ply | $195.00 |
| 14 9x28, 4 Ply | $165.00 |
| 14 9x28, 6 Ply | $185.00 |
| 16 9x28, 6 Ply | $225.00 |
| 16 9x28, 8 Ply | $245.00 |
| 16 9x30, 6 Ply | $240.00 |
| 18 4x28, 6 Ply | $300.00 |
| 18.4x30, 6 Ply | $270.00 |
| 23.1x30, 8 Ply | $650.00 |
| 24.5x32, 10 Ply | $775.00 |
| 16.9x34, 6 Ply | $270.00 |
| 18.4x34, 6 Ply | $310.00 |
| 18.4x34, 8 Ply | $335.00 |
| 20.8x34, 6 Ply | $479.00 |
| 20 8x34, 8 Ply | $510.00 |
| 23.1x26, 10 Ply | $600.00 |
| 23.1x34, 8 Ply | $689.00 |
| 11 2x38, 4 Ply | $147.00 |
| 12.4x38, 4 Ply | $175.00 |
| 13.6x38, 4 Ply | $185.00 |
| 13.6x38, 6 Ply | $205.00 |
| 14 9x38, 6 Ply | $224.00 |
| 15.5x38, 6 Ply | $235.00 |
| 15 5x38, 8 Ply | $260.00 |
| 16.9x38, 6 Ply | $295.00 |
| 16 9x38, 8 Ply | $325.00 |
| 18 4x38, 6 Ply | $340.00 |
| 18 4x38, 8 Ply | $380.00 |
| 20 8x38, 8 Ply | $520.00 |

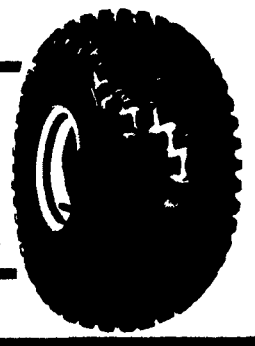


## CONTRACTOR F-3

| | |
|---|---|
| 11Lx15, 8 Ply | $80.00 |
| 11Lx16, 8 Ply | $92.00 |
| 11Lx16, 10 Ply | $98.00 |
| 750 800x16, 10 Ply | $80.00 |
| 11Lx16, 12 Ply | $130.00 |
| 145 - 75 - 16 1, 10 Ply | $225.00 |

**AG PROGRESS SPECIAL**

| | |
|---|---|
| 22x11 00-8 | $38.01 |
| 25x12-9 | $54.71 |
| 18x950-8 | $30.65 |



## Small Rear Farm Tires

| | |
|---|---|
| 750x20, 4 Ply | $59.95 |
| 750x24, 4 Ply | $64.95 |
| 8 3x24, 4 Ply | $82.00 |
| 9.5x24, 4 Ply | $92.00 |
| 11.2x34, 4 Ply | $142.00 |
| 11.2x36, 4 Ply | $144.00 |
| 12 4x24, 4 Ply | $123.00 |
| 12.4x36, 4 Ply | $175.00 |
| 13 6x36, 4 Ply | $200.00 |

Route 230 West

# MUMMAU TIRE

Mt. Joy, PA.

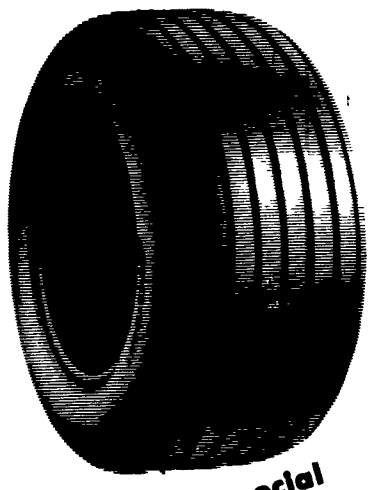
**Serving Farmers In Penna. New Jersey Northern Maryland and Delaware**

**Out Of State 717-653-1260 In Penna. 1-800-222-1729**

# ARMSTRONG
FARM MUSCLE

## For Special Tire Values

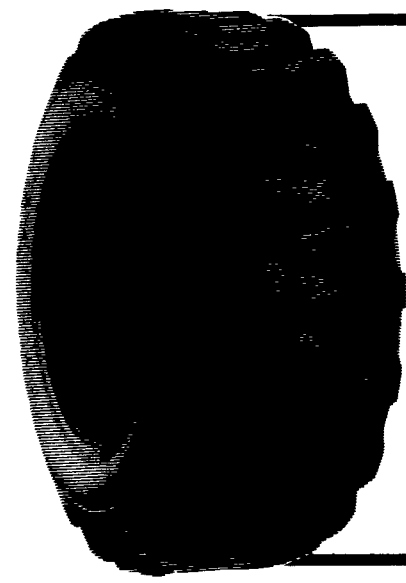
## WAGON TIRES



| | |
|---|---|
| 26 1200x12, 4 Ply | $49.00 |
| 8.51x14, 6 Ply | $41.00 |
| 9.5Lx14, 6 Ply | $44.00 |
| 9.5Lx14, 8 Ply | $49.50 |
| 9.5Lx15, 6 Ply | $42.00 |
| 9.5Lx15, 8 Ply | $44.00 |
| 11Lx14, 6 Ply | $49.00 |
| 11Lx15, 6 Ply | $43.00 |
| 11Lx15, 8 Ply | $47.00 |
| 11Lx15, 10 Ply | $80.00 |
| 1000x15, 8 Ply | $80.00 |
| 11Lx15, 8 Ply Tubeless | $50.00 |
| 11Lx16, 8 Ply | $58.00 |
| 11Lx16, 10 Ply Tubeless | $74.00 |
| 12.5Lx15, 10 Ply | $75.00 |
| 12 5Lx16, 14 Ply | $85.00 |
| 12.5Lx15, 12 Ply | $87.00 |
| 14Lx16.1, 12 Ply | $140.00 |
| 16.5Lx16.1, 10 Ply Tubeless | $160.00 |
| 25x7.50x15, 4 Ply Tubeless | $44.00 |
| 25x7.50x15, 6 Ply Tubeless | $49.00 |
| 27x9.50x15, 4 Ply Tubeless | $53.00 |
| 27x9.50x15, 6 Ply Tubeless | $60.00 |
| 27x9.50x15, 8 Ply Tubeless | $65.00 |
| 31x13.50x15, 6 Ply Tubeless | $88.00 |
| 31x13.50x15, 8 Ply Tubeless | $99.00 |

Ag Progress Special
$5.00
OFF These Prices

• WAGON TIRES SHIPPED UPS - NO CHARGE! •



## SKID LOADER TIRES

| | |
|---|---|
| 570x12, 4 Ply | $40.00 |
| 23.850x12, 4 Ply | $47.00 |
| 27.850x15, 4 Ply | $51.00 |
| 27.850x15, 6 Ply | $65.00 |
| 27.1050x15, 6 Ply | $70.00 |
| 700x15, 6 Ply | $65.00 |
| 750x15, 6 Ply | $68.00 |
| 10-16.5, 6 Ply | $80.00 |
| 12-16.5, 8 Ply | $120.00 |
| Steel Shield | |
| 10-16.5, 6 Ply | $95.00 |

Above Tires Shipped
To You FREE

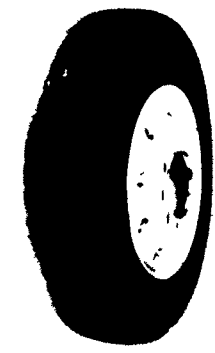
## ARMSTRONG RADIAL TRUCK TIRES

$20.00 OFF During Ag Progress Days

ARMSTRONG
RTX

| | |
|---|---|
| 1000R-20, 14 Ply | $240.00 |
| 1000R-22, 14 Ply | $260.00 |
| 11R-22.5, 14 Ply | $270.00 |
| 11R-24.5, 14 Ply | $280.00 |

Plus Taxes



ARMSTRONG

★ TUBELESS ★

| | |
|---|---|
| 16.9x24, 8 Ply | $265.00 |
| 16.9x24, 10 Ply | $330.00 |
| 17.5Lx24, 6 Ply | $245.00 |
| 17.5x24, 8 Ply | $270.00 |
| 15.5x25, 12 Ply | $310.00 |
| 17.5x25, 12 Ply | $440.00 |
| 19.5Lx24, 10 Ply | $390.00 |
| 19.5Lx24, 12 Ply | $430.00 |
| 12Lx24, 12 Ply | $500.00 |
| 20.5x25, 12 Ply | $643.00 |
| 23.5x25, 12 Ply | $960.00 |
| 23.5x25, 16 Ply | $1,000.00 |

## Loader-Dozer

ARMSTRONG

★ TUBE TYPE ★

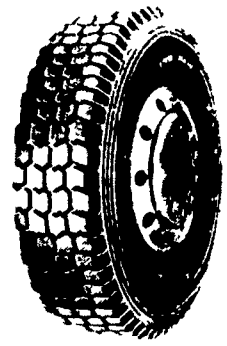
| | |
|---|---|
| 14.9x24, 6 Ply | $200.00 |
| 14.9x24, 8 Ply | $220.00 |
| 16.9x24, 6 Ply | $220.00 |
| 16.9x24, 8 Ply | $235.00 |
| 16.9x24, 10 Ply | $280.00 |
| 17.5Lx24, 8 Ply | $240.00 |
| 16.9x28, 8 Ply | $260.00 |
| 18.4x28, 10 Ply | $340.00 |
| 20.5x25, 12 Ply | Call For |
| 23.5x25, 16 Ply | Quote |
| 1300x24, 10 Ply | $225.00 |
| 1300x24, 12 Ply | $245.00 |
| 1400x24, 10 Ply | $255.00 |
| 1400x24, 12 Ply | $280.00 |

ARMSTRONG

ARMSTRONG

| | |
|---|---|
| 8.3x24 | $100.00 |
| 9.5x24 | $112.00 |
| 14.9x24, 6 Ply | $200.00 |
| 16.9x24, 6 Ply | $210.00 |
| 18.4x16.1, 6 Ply | $245.00 |
| 18.4x26, 6 Ply | $360.00 |
| 13.6x28, 6 Ply | $225.00 |

USED GRASS TIRES IN STOCK!



ARMSTRONG
STR TRACTION

| | |
|---|---|
| 1000R-20, 14 Ply | $250.00 |
| 1000R-22, 14 Ply | $265.00 |
| 11R-22.5, 14 Ply | $275.00 |
| 11R-24.5, 14 Ply | $285.00 |

Plus Taxes

$20.00 OFF During Ag Progress Days

$20.00 OFF During Ag Progress Days

ARMSTRONG
STR-200

| | |
|---|---|
| 1000R-20, 14 Ply | $235.00 |
| 1000R-22, 14 Ply | $250.00 |
| 11R-22.5, 14 Ply | $260.00 |
| 11R-24 5, 14 Ply | $270.00 |

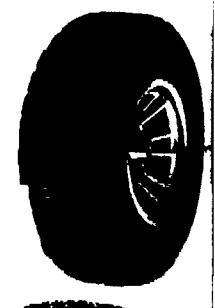
Plus Taxes

## ARMSTRONG LIGHT TRUCK RADIALS

NORSEMAN "TRED LOG" OUTLINED WHITE LETTERS

| | |
|---|---|
| 27x8 50Rx14, 6 Ply | $85.00 |
| 30x9.50Rx15, 6 Ply | $105.00 |
| 31x10 50Rx15, 6 Ply | $112.00 |
| 32x11.50Rx15, 6 Ply | $120.00 |
| 33x12.50Rx15, 6 Ply | $130.00 |
| 33x12.50Rx16.5, 6 Ply | $145.00 |

Plus Tax



Armstrong All Season

OUTLINED WHITE LETTERS

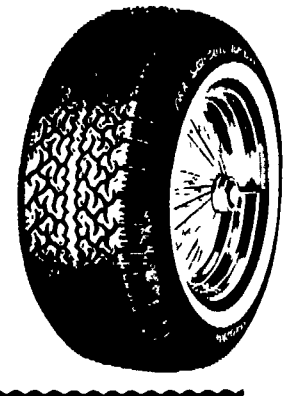
| | |
|---|---|
| 30x9.50R-15, 6 Ply | $105.00 |
| 31x1050R-15, 6 Ply | $115.00 |
| 33x1250R-15, 6 Ply | $120.00 |

BLACKWALL

| | |
|---|---|
| 750R-16, 8 Ply | $105.00 |
| 875R-16.5, 8 Ply | $102.00 |
| 950R-16.5, 8 Ply | $113.00 |
| 21585R-16, 8 Ply | $105.00 |
| 23585R-16, 10 Ply | $116.00 |
| 19575R-14, 6 Ply | $85.00 |
| 21575R-15, 6 Ply | $95.00 |
| 23575R-15, 6 Ply | $105.00 |

Plus Taxes

'10.00 OFF ABOVE PRICES
During Ag Progress Days



Route 230 West

# MUMMAU TIRE

Mt Joy, PA

Serving Farmers In Penna. New Jersey
Northern Maryland and Delaware

Out Of State 717-653-1260 In Penna. 1-800-222-1729

Ask About Our Special Mounting Prices!

# See Us At Ag Progress Days

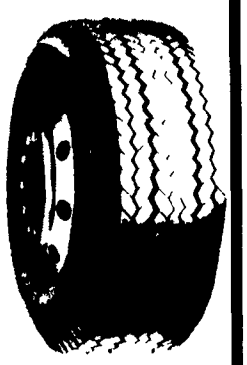
## MIRACLE EXTRA TRACTION WIDE BASE NYLON CORD TUBELESS

| | |
|---|---|
| 650x16, 6 Ply | $53.00 |
| 700x15, 6 Ply | $58.00 |
| 700x16, 6 Ply | $58.00 |
| 750x16, 8 Ply | $72.00 |
| 700x18, 6 Ply | $95.00 |
| 750x20, 10 Ply | $105.00 |
| 825x20, 10 Ply | $125.00 |
| 900x20, 10 Ply | $140.00 |
| 1000x20, 10 Ply | $190.00 |
| 10-15, 6 Ply | $84.00 |
| 12-15, 6 Ply | $106.00 |
| 800x16 5 | $70.00 |
| 875x16.5, 8 Ply | $75.00 |
| 950x16.5, 8 Ply | $86.00 |
| 10-16 5, 8 Ply | $96.00 |
| 12-16 5, 8 Ply | $112.00 |

Above tire shipped to you free under 70 lbs.

## ARMSTRONG SD-200 NYLON TUBE TYPE

| | |
|---|---|
| 650x16, 6 Ply | $52.00 |
| 700x15, 6 Ply | $55.00 |
| 700x16, 6-Ply | $56.00 |
| 750x16, 8 Ply | $65.00 |
| 750x16, 10 Ply | $85.00 |
| 700x18, 8 Ply | $80.00 |
| 10-15, 6 Ply | $80.00 |
| 800x16.5, 8 Ply | $65.00 |
| 875x16.5, 8 Ply | $67.00 |
| 950x16 5, 8 Ply | $73.00 |
| 10-16.5, 8 Ply | $88.00 |
| 12-16.5, 8 Ply | $105.00 |

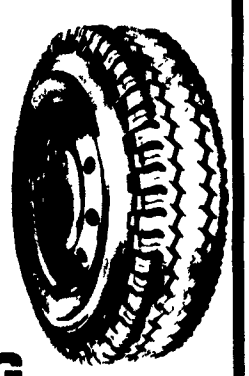


ARMSTRONG

## ARMSTRONG PREMIUM SILENT LUG

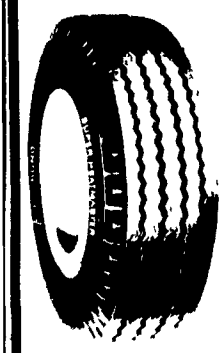
| | |
|---|---|
| 900x20, 10 Ply | $145.00 |
| 1000x20, 12 Ply | $175.00 |
| 1000x22, 12 Ply | $185.00 |
| 11-22 5, 12 Ply | $185.00 |
| 11-24 5, 12 Ply | $198.00 |

Plus all taxes.



ARMSTRONG

## ARMSTRONG SUPER HEATMASTER



| | |
|---|---|
| 750x20, 10 Ply | $88.00 |
| 825x20, 10 Ply | $102.00 |
| 900x20, 10 Ply | $120.00 |
| 900x20, 12 Ply | $132.00 |
| 1000x20, 12 Ply | $155.00 |
| 1000x22 | $175.00 |
| 11-22.5, 12 Ply | $185.00 |
| 11-24.5, 12 Ply | $190.00 |

Plus all taxes

## SPECIAL BUYS

### ARMSTRONG NORSEMAN STEEL RADIAL WHITE WALL SNOW TIRE

| | Was | NOW |
|---|---|---|
| 155-80R-13 | 46.77 | $40.77 |
| 165-80R-13 | 49.08 | $43.08 |
| 175-80R-13 | 50.62 | $44.62 |
| 185-80R-13 | 52.15 | $46.15 |
| 185-75R-14 | 52.92 | $46.92 |
| 195-75R-14 | 56.77 | $50.77 |
| 205-75R-14 | 59.85 | $53.85 |
| 205-75R-15 | 61.38 | $55.38 |
| 215-75R-15 | 63.69 | $57.69 |
| 225-75R-15 | 66.00 | $60.00 |
| 235-75R-15 | 68.31 | $62.31 |

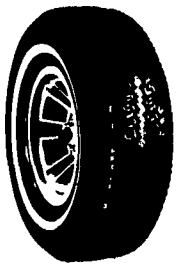
### ARMSTRONG NORSEMAN 4 PLY POLYESTER WHITEWALL SNOW TIRE

| | Was | NOW |
|---|---|---|
| B-78-13 | 42.92 | $36.92 |
| E-78-14 | 47.54 | $41.54 |
| F-78-14 | 49.00 | $43.00 |
| G-78-14 | 51.38 | $45.38 |
| H-78-14 | 52.92 | $46.95 |
| G-78-15 | 52.15 | $46.15 |
| H-78-15 | 53.69 | $47.69 |
| L-78-15 | 56 77 | $50.77 |
| N-78-15, 8 Ply | 73.69 | $67.69 |

### LIGHT TRUCK SPECIALS LIMITED QUANTITIES

| | Was | NOW |
|---|---|---|
| G-78-15 Sonic Triple Trac, 6 Ply M& S. | $61.00 | $55.00 |
| H-78-15 Tractionite, 6 Ply M&S | $65.00 | $59.00 |
| L-78-15 Goodyear Tractor LT, 6 Ply | $65 00 | $59.00 |
| LR-78-16 Uniroyal Highway, 8 Ply Tube Type | $84.00 | $78.00 |
| 750-16 M.S.T 8 Ply M&S | $76.00 | $70.00 |
| 23585R-16 M.S.T. All Season, 8 Ply | $98.00 | $92.00 |
| 800-16.5 General Super All Grip M& S, 10 Ply | $66.00 | $60.00 |
| 875R-16.5 Remington Universal Traction, 8 Ply | $101.00 | $95.00 |
| 875-16.5 Sonic Dual Duty M&S 8 Ply | $79.00 | $73.00 |
| 875-16.5 General Jet Highway 10 Ply | $81.00 | $75.00 |
| 875-16.5 Goodyear Cushion Miler, 10 Ply | $71.00 | $65.00 |
| 875-16.5 M.S.T. M&S, 8 Ply | $72.00 | $66.00 |
| 950-16.5 Sonic Dual Duty L66 8 Ply | $91.00 | $85.00 |
| 950-16.5 Safemark M&S Blems 8 Ply. | $75.00 | $69.00 |
| 950-16.5 Safemark Highway, 8 Ply | $75.00 | $69.00 |
| 950-16.5 General Super All Grip M&S, 8 Ply. | $84.00 | $78.00 |
| 950-16.5 M.S.T M&S, 8 Ply | $76.00 | $70.00 |
| 750-17 B.F. Goodrich Extra Miler XL, 8 Ply | $85.00 | $79.00 |
| 8-17.5 National M&S, 8 Ply. | $105.00 | $99.00 |

### ARMSTRONG ALL SEASON WHITEWALL STEEL RLADIALS - LIMITED QUANTITIES



| | |
|---|---|
| 155-80R-13 | $46.81 |
| 165-80R-13 | $49.59 |
| 175-80R-13 | $50.68 |
| 185-80R-13 | $52.16 |
| 185-75R-14 | $56.15 |
| 195-75R-14 | $60.27 |
| 205-75R-14 | $63.07 |
| 215-75R-14 | $65.29 |
| 205-75R-15 | $66.31 |
| 215-75R-15 | $68.81 |
| 225-75R-15 | $73.39 |
| 235-75R-15 | $76.18 |

**AG PROGRESS SPECIAL**
**'10.00 DISCOUNT PER TIRE**

# MUMMAU'S ARMSTRONG WAREHOUSE

## ALL SEASON RADIAL SPECIALS (LIMITED QUANTITIES)

| | Was | NOW |
|---|---|---|
| 165-80R-13 Remington C/A White | $47.95 | $41.95 |
| 165-80R-13 Firestone Sup. White | $52.95 | $46.95 |
| 175-80R-13 Firestone Sup. White | $52.95 | $46.95 |
| 175-80R-13 Remington C/A White | $50.95 | $44.95 |
| 175-80R-13 Armstrong TruTrac Wh. | $51.95 | $45.95 |
| 175-80R-13 Firestone Supreme Blk. | $48.95 | $42.95 |
| 175-80R-13 Goodyear Vector White | $63.95 | $57.95 |
| 185-80R-13 Firestone Sup. Black | $53.95 | $47.95 |
| 185-80R-13 Remington C/A White | $55.95 | $49.95 |
| 185-75R-14 Remington S/A White Blem | $56.95 | $50.95 |
| 185-75R-14 Solar 808 White | $54.95 | $48.95 |
| 195-75R-14 Firestone Sup. Blk | $62.95 | $56.95 |
| 195-75R-14 Solar 808 White | $56.95 | $50.95 |
| 195-75R-14 General Ameriway Blk. | $50.95 | $44.95 |
| 195-75R-14 Armstrong TruTrac Wh. | $55.95 | $49.95 |
| 195-75R-14 Firestone Supreme Wh | $68.95 | $62.95 |
| 195-74R-14 Remington S/A Wh. | $60.95 | $54.95 |
| 205-75R-14 Armstrong Tru Trac Wh | $57.95 | $51.95 |
| 205-75R-14 Firestone Sup. Black | $54.95 | $48.95 |
| 205-75R-14 Remington C/A White | $55.95 | $49.95 |
| 215-75R-14 Firestone Sup. Black | $56.95 | $50.95 |
| 215-75R-14 Remington C/A White | $59.95 | $53.95 |
| 215-75R-14 Remington S/A White. | $65.95 | $59.95 |
| 215-75R-14 Armstrong TruTrac Wh. | $59.95 | $53.95 |
| 195-75R-15 Firestone Sup. Black | $46.95 | $40.95 |
| 195-75R-15 Firestone Sup. White. | $50.95 | $44.95 |
| 205-75R-15 Goodyear Vector White | $75.95 | $69.95 |
| 205-75R-15 Remington C/A White | $58.95 | $52.95 |
| 205-75R-15 Solar 808 White | $58.95 | $52.95 |
| 205-75R-15 General Ameriway Blk. | $52.95 | $46.95 |
| 205-75R-15 Armstrong TruTrac White | $65.95 | $59.95 |
| 205-75R-15 Firestone Supreme Blk | $54.95 | $48.95 |
| 205-75R-15 Firestone 721 SBR White | $65.95 | $59.95 |
| 215-75R-15 Armstrong Tru Trac White | $67.95 | $61.95 |
| 215-75R-15 Firestone Supreme White | $65.95 | $59.95 |
| 215-75R-15 Firestone 721 Mistelx White | $72.95 | $66.95 |
| 215-75R-15 Solar 808 White | $60.95 | $54.95 |
| 225-75R-15 Armstrong Tru Trac White | $70.95 | $64.95 |
| 225-75R-15 Solar 808 White | $62.95 | $56.95 |
| 225-75R-15 Firestone Sup. White. | $82 95 | $76.95 |
| 225-75R-15 Firestone Sup. Black | $65.95 | $59.95 |
| 235-75R-15 Remington C/A White | $65.95 | $59.95 |
| 235-75R-15 General Ameriway Black XL | $70.95 | $64.95 |
| 235-75R-15 Firestone Supreme White | $77.95 | $71.95 |
| 235-75R-15 Firestone Supreme Black | $72.95 | $66.95 |

## HIGHWAY RADIAL SPECIALS
### Limited Quantities

| | |
|---|---|
| 155-80R-13 Solar 805 White | $43.95 / $37.95 |
| 155-80R-13 General Jet Black | $40.95 / $34.95 |
| 165-80R-13 Solar 805 White | $45.95 / $39.95 |
| 175-70HR-13 Firestone H-330 Black | $48.95 / $42.95 |
| 175-880R-13 Firestone Deluxe Champion White | $51.95 / $45.95 |
| 185-80R-13 Firestone Deluxe Champion Blk | $48.95 / $42.95 |
| 185-80R-13 Aurora 805 White | $51.95 / $45.95 |
| 185-75R-14 General Jet Black | $54.95 / $48.95 |
| 185-75R-14 Firestone Deluxe Champion Blk | $51.95 / $45.95 |
| 185-75R-14 Solar 805 White | $53.95 / $47.95 |
| 195-75R-14 Solar 805 White | $56.95 / $50.95 |
| 205-75R-14 Solar 805 White. | $57.95 / $51.95 |
| 215-75R-14 Solar 805 White. | $59.95. $53.95 |
| 195-75R-15 Firestone Deluxe Champ Black | $45.95. $39.95 |
| 205-75R-15 Aurora 805 White | $58.95 / $52.95 |
| 215-75R-15 Solar 805 White. | $60.95 / $54.95 |
| 215-75R-15 Firestone 721 Wide White. | $72.95 / $66.95 |
| 225-75R-15 Solar 805 White | $65.95 / $59.95 |
| 225-75R-15 B.F. Goodrich XLM Blk. Blem | $59 95 / $53.95 |
| 235-75R-15 Solar 805 White | $62.95 / $56.95 |
| 235-75R-15 Firestone 721 Wide White | $73.95 / $67.95 |
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| 14.9R28, 6 Ply | $249.95 |
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| 16.9x34, 6 Ply. | $334.00 |
| 18.4R34, 8 Ply | $429.00 |
| 20.8R34, 10 Ply | $595.00 |
| 16.9R38, 8 Ply | $399.00 |
| 18.4R38, 8 Ply | $479.00 |
| 20.8R38, 8 Ply | $565.00 |
| 20.8R38, 10 Ply | $599.00 |

### ★ NO-NAME RADIALS ★

| | |
|---|---|
| 10 9x28, 8 Ply Radial | $240.00 |
| 13 6x38, 8 Ply Radial. | $200.00 |
| 20 8x34, 8 Ply Radial | $440.00 |
| 16 9x28, 8 Ply Bias | $190.00 |

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| 13.6x28, 6 Ply. | $165.00 |
| 13.6x38, 6 Ply | $205.00 |
| 16 9x30, 6 Ply | $250.00 |
| 18.4x30, 6 Ply | $280.00 |
| 16.9x28, 6 Ply | $225.00 |
| 15.5x38, 8 Ply. | $275.00 |
| 15.5x38, 6 Ply. | $250.00 |
| 18.4x34, 6 Ply. | $305.00 |
| 18 4x34, 8 Ply. | $340.00 |
| 16.9x38, 8 Ply. | $325.00 |
| 28Lx26, 10 Ply | $775.00 |
| 20.8x38, 8 Ply. | $499.00 |

**Radials**

| | |
|---|---|
| 18.4x34, 6 Ply | $399.00 |
| 18.4x38, 10 Ply | $529.00 |
| 20.8x38, 8 Ply | $629.00 |
| 20.8x38, 10 Ply | $699.00 |

**Miscellaneous**

| | |
|---|---|
| 18.4x42, 10 Ply T-O | $300.00 |
| 14.9x28, 6 Ply Power Torque. | $180.00 |
| 18.4x34, 6 Ply, Traction Sure Grip | $265.00 |
| 16.9x34, 6 Ply, Traction Sure Grip | $235.00 |
| 18.4x38, 8 Ply, Power Torque | $385.00 |
| 20.8x38, 8 Ply, Power Torque | $475.00 |
| 14.9x38, 6 Ply, Traction Torque | $220.00 |

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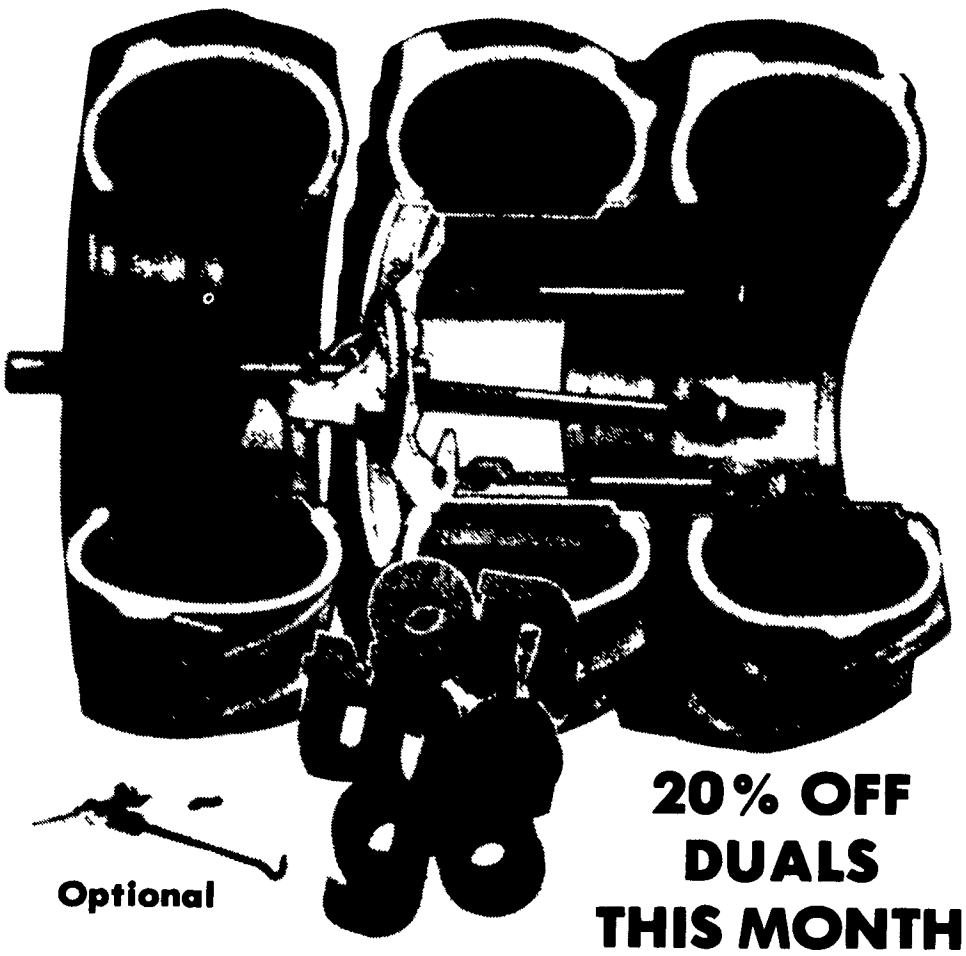

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| 18.4x34 | $620 | $130 | $490 | (12J-Bolts) |
| 18.4x38 | $630 | $140 | $490 | (12J-Bolts) |
| 20.8x38 | $790 | $190 | $600 | (16J-Bolts) |
| 20.8x34 | $780 | $170 | $610 | (16J-Bolts) |

**Above Duals Are The Strongest Clamp-On Dual Available, Snap-On Also Available.**

★ 10-Hole Dual Axle Available At 20% Discount Now
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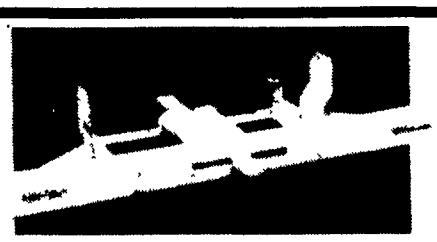

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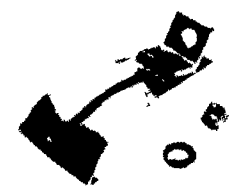
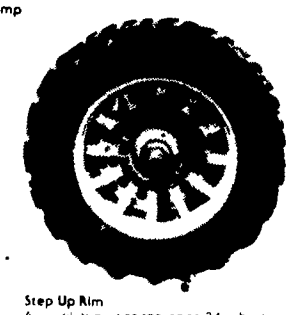


OEC26 Over-The-Rim Economy Clamp
Shown with special PNC34 nut and PSW34 spherical washer

D 110 Spacer

D-111 Spacer

D 112 Spacer



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Available as a cut on converting 34" wheels to 38" or 38 to 42

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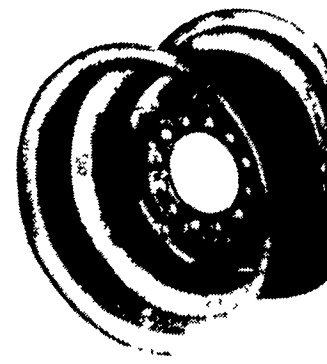

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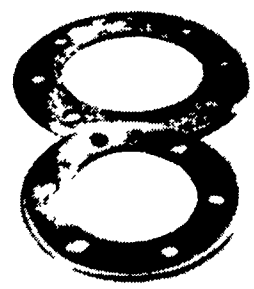

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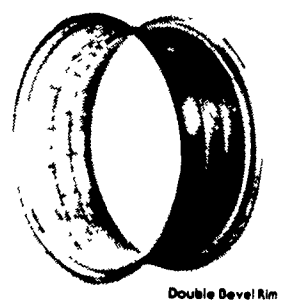

Double Bevel Rim

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| | |
|---|---|
| 16 9x30, 6 Ply Power Grip | $215 |
| 14 9x28, 6 Ply Power Grip | $160 |
| 9 5x32, 4 Ply Power Grip | $150 |
| 23 1x34, 8 Ply Power Grip | $595 |
| 15 5x38, 6 Ply Power Grip | $195 |
| 18 4x34, 6 Ply Power Grip | $290 |
| 18 4x34, 8 Ply Power Grip | $325 |
| 18 4x38, 8 Ply Power Grip | $375 |
| 18 4x26, 6 Ply Power Grip | $250 |
| 20 8x38, 10 Ply Power Grip | $525 |
| 13 6x38, 6 Ply Power Grip | $195 |
| **RADIALS** | |
| 20.8x38, 10 Ply | $525 |
| 18 4x34, 6 Ply | $399 |
| 16 9x38, 8 Ply | $399 |
| 11Lx15, 6 Ply Rib Cont. | $60 |
| 11Lx15, 8 Ply Contractor | $70 |
| 9 5Lx15, 8 Ply 3 Rib | $55 |
| 12.5Lx16, 8 Ply Wagon Take Off w/Tube | $50 |
| 12 5Lx15, 12 Ply Wagon | $75 |
| 9.5Lx15, 6 Ply Wagon | $38 |

### SAFE MARK SPECIALS

| | |
|---|---|
| 13 6x38, 6 Ply | $185 |
| 14 9x28, 6 Ply | $180 |
| 16 9x30, 6 Ply | $235 |
| 18 4x30, 6 Ply | $270 |
| 18 4x30, 6 Ply | $200 |
| 18 4x34, 6 Ply | $300 |
| 11 2x38, 4 Ply (1st) | $145 |
| 12 4x24, 4 Ply (1st) | $115 |
| 24 5x32, 10 Ply | $600 |
| 20 8x38, 10 Ply | $600 |
| 20 8x38, 8 Ply | $495 |
| 14Lx16 1, 3 Rib, 8 Ply | $170 |
| 650x16, 3 Rib, 6 Ply | $45 |
| 400x19, 3 Rib, 4 Ply | $14.95 |
| 400x15, 3 Rib, 4 Ply | $25 |
| 75Lx15, 3 Rib, 6 Ply | $58 |
| 9 5Lx15, 3 Rib, 8 Ply | $70 |
| 1100x16, 3 Rib, 8 Ply | $130 |
| 1000x16, 3 Rib, 6 Ply | $95 |
| 1000x16, 3 Rib, 8 Ply | $100 |
| 750x18, 3 Rib, 6 Ply | $60 |

**Wagon**

| | |
|---|---|
| 11Lx15, 8 Ply | $50 |
| 9.5Lx15, 6 Ply | $49 |
| 760x15, 6 Ply | $35 |

**Truck**

| | |
|---|---|
| 825x20, 10 Ply Snow | $120 |
| 825x20, 10 Ply Summer | $105 |
| 1124 5, 12 Ply Summer | $180 |
| 1122 5, 12 Ply Summer | $165 |
| 1000x20, 12 Ply Summer | $165 |

**Navajo**

| | |
|---|---|
| 1000x20, 12 Ply Summer | $140 |

**Passenger**

| | |
|---|---|
| P250/75D-14 Snow | $38 |
| 11Lx15, Big Kick WL | $59 |

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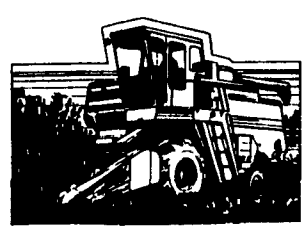
| | |
|---|---|
| 16 9x38, 6 Ply Uniroyal | $200 |
| 15.5x38, 6 Ply General | $185 |
| 1100x16, 8 Ply Single Rib Front | $75 |
| 400x19, 4 Ply Single Rib Front | $17 |
| 600x14, 3 Rib Armstrong | $29 |



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# McCoys Find Full-Time Enjoyment In Part-Time Farm

DEBBIE STILES-RENZI
W.Va. Correspondent

FARMINGTON, W. Va. – Farming's a full-time job, but John T. McCoy works a full dayshift week at North American Phillips Lighting Company in the city of Fairmont, and is a "part-time" farmer, as well, along with his wife, Sherri. Together they run McCoy Simmental in northern Marion County, West Virginia. Their 45-head herd of purebred Simmentals provides 40 percent of the family's income, but the money's not the main reason for the double work load.

"I just love (farming). I was born and raised on it," says John McCoy.

Proof is in his surroundings. From a fenceless, brush-covered hilltop bought 15 years ago the McCoys have made an attractive, viable farm business selling purebred Simmental. Most animals are sold right off the farm, and the McCoys offer some attractive benefits to doing business with them, such as semen-testing, halter-breaking, and free delivery. This extra effort as well as advertising through testing and sale at the state bull test station brings them the customers. Last year at the Wardensville Bull Testing Station, the McCoy's bull broke a station gaining record, at 4.71 pounds per day. Five out of the last nine years they've topped gaining records at this state test. But how do they do it all?

"This man would rather work than eat!" says Sherri McCoy of her husband, John. She notes with pride his busy life, including his full-time job, his farmwork, his AI technician training, his job as Sunday school teacher, and his recent graduation from college.

"He loves to farm," says Sherri, which may explain why he's willing to shoulder so much in addition to the farming responsibilities.

John recently completed studies training him as a veterinary assistant, a career move in the works, somewhat closer to his preferred career, farming. Now the family's getting ready to take the next big step, which is a move with Simmental herd and machinery to a farm they've purchased in Bowling Green, Kentucky, where a job with a vet waits for John and 92 acres of new farm wait for both of them to be tamed.

"It's something we've been planning for a long time," Sherri explains. And the McCoys--together, as a team--have planned as well as they've managed McCoy Simmental the past 10 years. Their new farm has highway exposure, providing that all-important aspect of "location." They'll be the only purebred Simmental breeders in the Warren County, and, because of the warmer climate, they'll be able to save on feed bills.

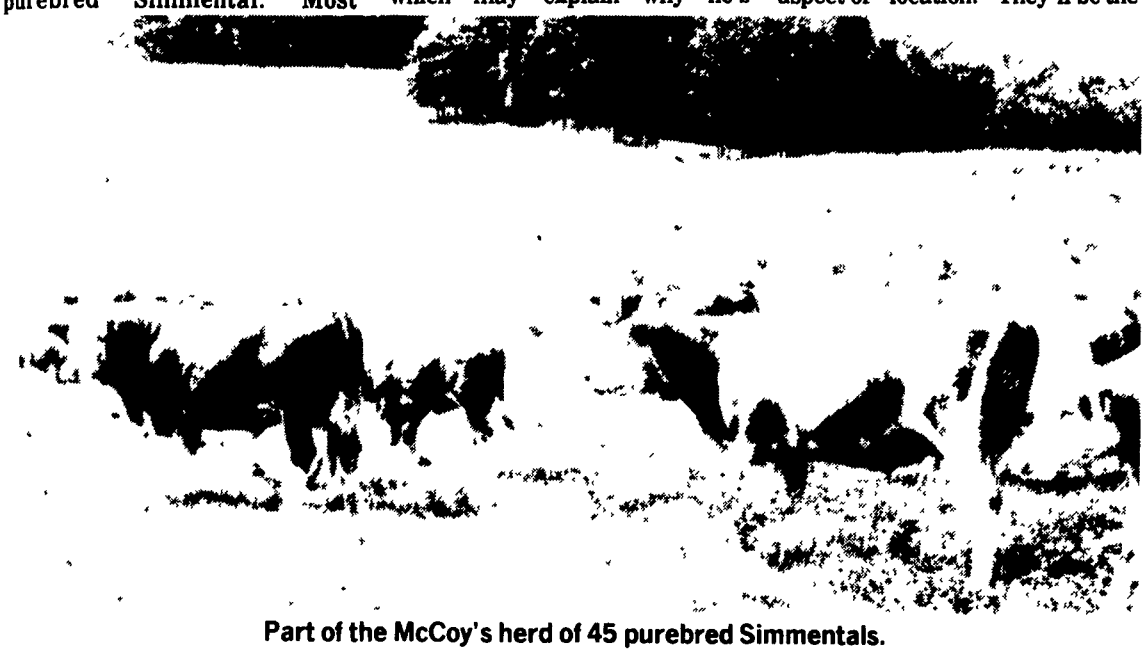
"It'll cut one month off feeding, each way," says Sherri. The new farm is also in a highly agricultural, beef cattle area, which the McCoys think they will enjoy. Presently, they live three miles out of Farmington, which, despite the name, is primarily a coal mining community. The McCoys will make the move to Kentucky once they've sold their farm in Marion county.

Right now the work is all cattle on the farm, with Sherri handling the barn work and John doing most of the field feeding. The McCoys have three children, Connie, 11; Tammy, 5; and Sandi, who's two years old.

The cows are on a 90-day calving system, calving January, February, and March. "We breed artificially, and then use a clean-

(Turn to Page D30)

The McCoys, of Marion County, W. Va., run a part-time purebred Simmental business while John works full-time in Fairmont. Pictured are (left, rear) Sherri, Connie, John, (front, left) Sandi and Tammy.



Part of the McCoy's herd of 45 purebred Simmentals.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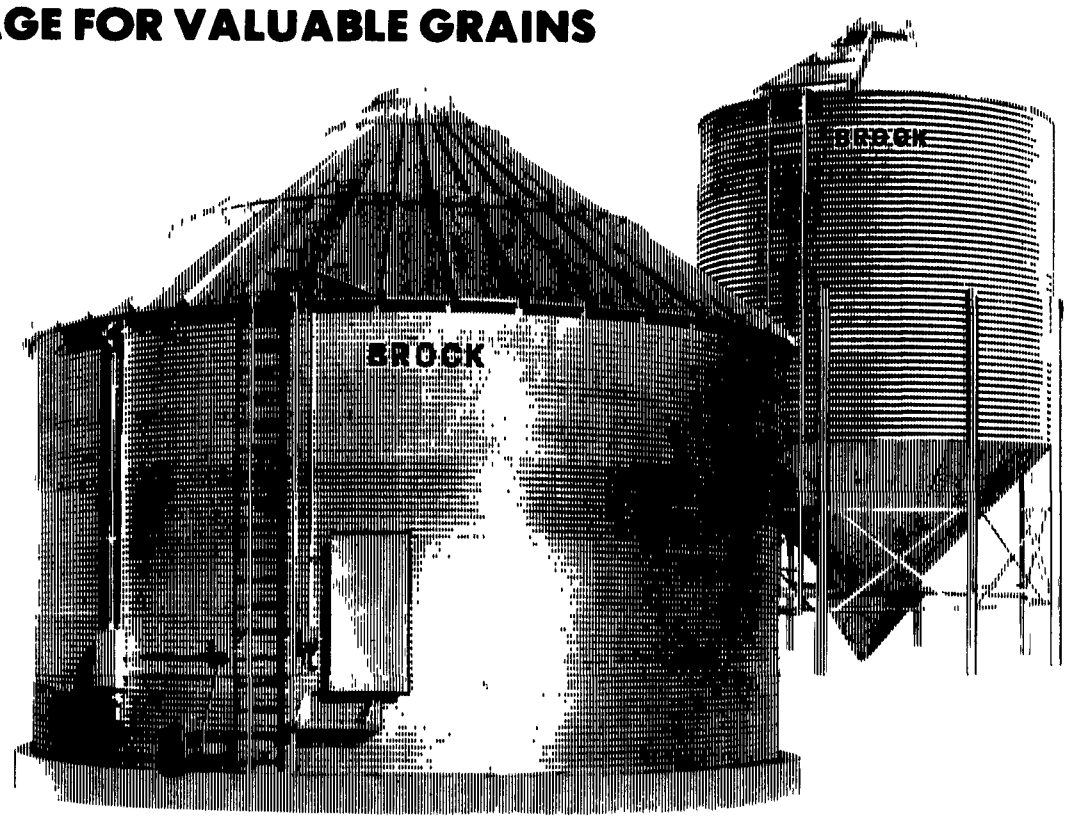


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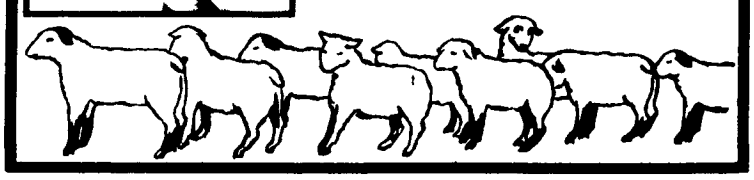
# Flock Forum

by
Clair Engle

Penn State Extension Sheep Specialist



## Add Sheep To Your Cattle

Grass is one of our most abundant natural resources. Bluegrass, timothy, and orchardgrass are the most prevalent grasses in Pennsylvania and surrounding states and are grazed by beef and dairy cattle, sheep, and horses, with beef cattle being the most dominant. An alternative to single species grazing that will produce greater profits from the same pasture is to add sheep to a beef cattle program.

Research results indicate that one ewe can be added to each existing cow unit, or equivalent animal unit of replacement or stocker cattle without increasing the acreage requirement above that currently used by cattle alone. This two-enterprise production system can improve pasture conditions and increase annual net returns per unit of land when compared with a single enterprise system of beef cattle alone.

**Why the togetherness?**

Both sheep and cattle are ruminant animals and are efficient utilizers of pastures because of the unique function of their digestive system. The uniqueness of this system begins with the mouth. The lips of the sheep are more narrow and flexible due to a vertical cleft through the center of the muzzle. The muzzle of the cow is very broad and the lips are stiff and immobile. In turn, the cow is less able to select the finer parts of the grass when grazing. Conversely, sheep are able to graze closer to the ground and consume the finer, higher quality leaves of the growing plants.

Most importantly for all ruminants is their ability to digest the fiber contained in all parts of the plant consumed and transform this into body energy. The fermentative action of the microbial population in the rumen is responsible for fiber digestion and utilization. The rumen works with the reticulum, omasum and abomasum in mixing and digesting the consumed forage to a form used by the animal for growth, exercise, and reproduction.

Sheep are more efficient than cattle in converting forage to marketable product and are the only farm animal that will produce a choice carcass from grass alone. Because of their ability to utilize forage so efficiently in a complementary fashion with cattle, the producer is able to gain maximum pasture utilization under this two-enterprise system.

When sheep and cattle graze together, sheep will consume the shorter grasses forcing cattle to eat the taller, coarser grasses. In turn, more uniform grazing occurs, thus, preventing "islands" of grass from growing tall, going to seed and becoming lower quality. Uniform grazing should decrease weed populations, thereby decreasing herbicide costs. Fertilization costs may also be decreased because sheep tend to spread their feces by dropping pellets when defecating. On the other hand, piles of cow manure tend to cause large, rapidly growing bunches of grass that are usually not consumed, although sheep are more likely to graze closer to these grassy areas than are cattle.

Table 1. Budgets for Cattle Alone vs. Sheep and Cattle (1)

| | | 100 Cows ($) | 100 Cows 100 Ewes ($) |
|---|---|---|---|
| RECEIPTS | | | |
| Steer calves | 500 lb/hdx45 hdx$65/lb | 14,625 | 14,625 |
| Heifer calves | 450 lb/hdx28 hdx$ 55/lb | 6,930 | 6,930 |
| Cull cows | 1000 lb/hdx15 hdx$ 35/lb | 5,250 | 5,250 |
| Cull bull | 1500 lb/hdx1 hdx$ 50/lb | 750 | 750 |
| Blue O lambs | 105 lb/hdx119 hdx$ 55/lb | | 6,872 |
| Red O Lambs | 95 lb/hdx21 hdx$ 52/lb | | 1,037 |
| Cull ewes | 130 lb/hdx15 hdx$.20/lb | | 390 |
| Cull rams | 180 lb/hdx1 hdx$ 20/lb | | 36 |
| Wool | 6 5 lb/hdx103 hdx$1 20/lb | | 804 |
| Lamb incentive | 145 cwtx$2 50/cwt | | 362 |
| | TOTAL RECEIPTS | 27,555 | 37,056 |
| EXPENSES | | | |
| Replacement bull | 1 hdx$1200/hd | 1,200 | 1,200 |
| Replacement ewes | 17 hdx$80/hd | | 1,360 |
| Replacement rams | 1 hdx$300/hd | | 300 |
| Hay-cattle | 175 Tx$60/T | 10,500 | |
| Hay-cattle + sheep | 250 Tx$60/T | | 12,300 |
| Grain-cattle | 56 cwtx$6 25 cwt | 350 | |
| Grain-cattle + sheep | 200 cwtx$6.25 cwt | | 1,250 |
| Protein supplement-cattle | 14 cwtx$12 50/cwt | 175 | |
| Protein supplement-cattle + sheep | 16 5 cwtx$12 50/cwt | | 206 |
| Other feed cost-Salt, Min , Vit , grind, etc | | 600 | 1,013 |
| Veterinarian and medicine | | 1,150 | 1,595 |
| Supplies and bedding | | 200 | 450 |
| Repairs-buildings and fences | | 400 | 700 |
| Utilities | | 50 | 100 |
| Machinery and equipment | | 1,600 | 1,875 |
| Interest on expenses | | 1,055 | 1,453 |
| Hauling and marketing | | 792 | 1,048 |
| | TOTAL EXPENSES | 18,072 | 24,850 |
| Net Return to Land, Labor and Investment | | 9,483 | 12,206 |
| Difference in Net Income Through Sheep Addition | | | 2,723 |
| Percent Increase in Net Income Through Sheep Addition | | | 29% |

(1) Adding Sheep to Cattle for Increased Profits, 1985 Virginia Cooperative Extension Service Publ 410-851, Virginia Tech and State University, Blacksburg

By grazing all the available forage at a uniform height, minimizing weed growth, increasing natural fertilization and aerating the soil through hoof action, the sheep can improve pasture quality with a minimum cost to the producer. All these actions aid in establishing or expanding the clover population in bluegrass, timothy or orchardgrass pastures; the end result is a grass-legume mixture which is recognized as one of the highest quality pastures in Pennsylvania.

**Marketable Products**

The addition of sheep leads to increased utilization of forage that would otherwise not be consumed by cattle and increased production of marketable product per unit of land. The additional revenue from the sale of lambs and wool represents a financial bonus the cattle producer would otherwise not receive from his land. Table 1. compares budgets from beef cattle alone to beef cattle plus sheep.

Calf and lamb price were based on 1979 to 1984 calf and lamb prices. Assumptions made in preparation of these budgets include:

- 100 cows with and without 1 ewe per cow
- February and March calving
- 90% calf crop weaned
- February and March lambing
- 140% lamb crop marketed
- Purchase replacement ewes

This table shows the significant advantage of adding sheep to cattle by increasing the annual net income above raising cattle alone by 29%.

**Management Suggestions**

Attention to certain details must accompany the addition of sheep to an ongoing cattle operation if the system is going to be successful. If pastures are already stocked to capacity with cattle to the extent that uniform grazing is occurring, obviously the pastures will not be able to handle more animals. On the other hand, if "islands" of grass are present in the pastures, if seedheads develop and mechanical clipping is required, adding sheep to the operation can be successful.

Consideration must also be given to the type of land to be grazed. Ideally, the cattle-plus-sheep system works best on rolling land because sheep prefer to graze on the higher, drier areas whereas cattle will be more prone to graze the lower, wetter areas of the pasture. Also, adequacy of shade for all animals improves the chances for success so all animals do not have to crowd into one shade area.

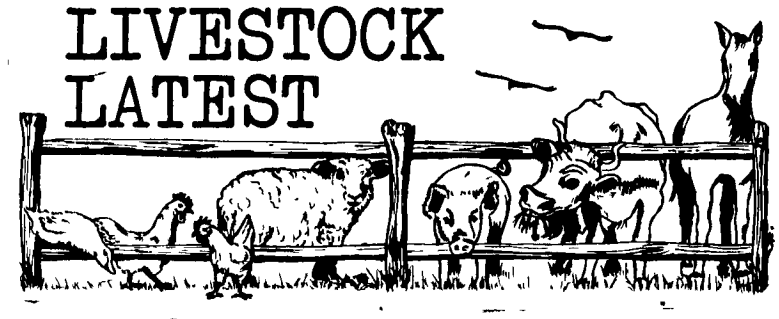
Fences should be of the type that will contain sheep and stop predators. Boundary fences should be a five or seven strand, electrified, high-tensile type which will hold both species and repel predators. Internal fencing can range from woven wire to five strand barbed wire to a single strand electrified wire.

Other items for consideration include availability of a barn or shed for ewes and lambs if lambing during the winter. Most cattle handling facilities can be used for handling sheep. Additional labor is required when sheep are added with cattle. Most of the three to four hours labor required per ewe per year is expended during lambing. Treat sheep for internal parasites at least four times per year. They should have their feet trimmed twice a year and should be walked through a foot bath immediately afterwards to prevent foot problems.

Cattle producers having little or no experience with sheep should start small and gradually increase numbers.

One ram unit of 30 to 35 ewes is recommended as a start. Breeding-age ewes should be purchased in the late spring. Use crossbred ewes because of their high reproductive rates, lamb survivability, and ability to produce rapidly growing lambs. Buy sound, active, healthy, purebred performance-tested rams.

Adding sheep to an existing beef cattle operation can offer many advantages to the producer. Most importantly, this system can increase the total marketable product produced per unit of land, thereby increasing profit per acre because of increased utilization of the forage produced on that land.




## Broadway Steals The Show At Angus Futurity

ST. JOSEPH, Mo. – Spectators who were on hand for the 1986 American Angus Breeders' Futurity held in Louisville, Kentucky, were able to inspect some of the top quality Angus cattle in the nation competing for championship laurels. The 219-head of breeding cattle that were brought to the Kentucky Fair and Exposition Center were placed by judge Gary Dameron, Lexington, Illinois.

The 39th showing of the Futurity was dedicated to Charles (Chilly) Peery of New Market, Virginia. He is the owner and editor of Angus Topics.

Judge Dameron awarded the supreme champion banner at this year's show to Broadway, the early intermediate and grand champion bull. This May 1985, Cobble Pond New Yorker son entered the show ring weighing 1,630 pounds. He is owned by R&J Ranch, Briggs, Texas; Lee Miller and Family, Woodsboro, Maryland; and Springfield Angus Farm, Garner, North Carolina.

The champion spotlight in the 136-head heifer show was on TC Peggy Sophia 5140, a May 1985 daughter of Prairie Pride Slick. She was first awarded the title of early intermediate champion, and is owned by Northcote Farm, Forest, Virginia, and TC Ranch Inc., Franklin, Nebraska.

Reserve grand champion bull honors went to the early junior winner, Premier Valedictorian. He is owned by Premier Angus Inc., Cloverdale, Indiana; New Horizon Farm, Stuyvesant, New York; Shady Brook Angus Farm, Leoma, Tennessee; and Northcote Farm. Valedictorian weighed in at 1,556 pounds and is a February 1985 son of Ken Caryl Overdrive 304H.

Nelson Gigi 5220 stood first as the early junior champion and then as the reserve grand champion female for Clyde Nelson, Salmon, Idaho, and Robert and Evelyn Urquhart, Hamilton, Montana. This heifer is a February 1985, Premier Celebration daughter.

The American Angus Breeders' Futurity is the first event of the new Angus show season and is attended by Angus breeders from throughout the United States and many foreign countries. It is considered to be one of the toughest Angus shows in the nation and one of the "Triple Crown" of Angus shows that also includes the North American International Livestock Exposition also held in Louisville and the National Western Stock Show in Denver, Colorado.

**Kruegers Blackbird Madonna was reserve early junior champion female at the American Angus Breeders' Futurity in Louisville. She is owned by Greg Krueger and family, Coatesville; LaVern Krueger and Family, LaCrosse, Ind.; and William Warren, Furlong.**

## Cornell Slates Boar Test Sale

ITHACA, NY – Swine producers throughout the Northeast will have a chance to buy top boars at an auction scheduled for August 30 at Cornell University.

Cornell's four-month performance test, involving 41 young boars from New York, Pennsylvania, Maryland, Maine, and Canada, is in the home stretch. About 25 of these animals are expected to be on the auction block at 5 p.m. in Cornell's Livestock Pavilion.

The boars to be auctioned are expected to weigh in at about 250 to 270 pounds each. They represent four major breeds – Yorkshire, Hampshire, Landrace, and Duroc.

Cornell serves as the official Boar Test Station for New York state, where the swine industry is a $25 million business annually. The test focuses on average daily weight gain, feed efficiency, carcass quality, and structural soundness, among other factors.

The boars have been on test since May 1 at the new swine testing facility located at Cornell's Animal Science Teaching and Research Center at Harford, some 15 miles from campus.

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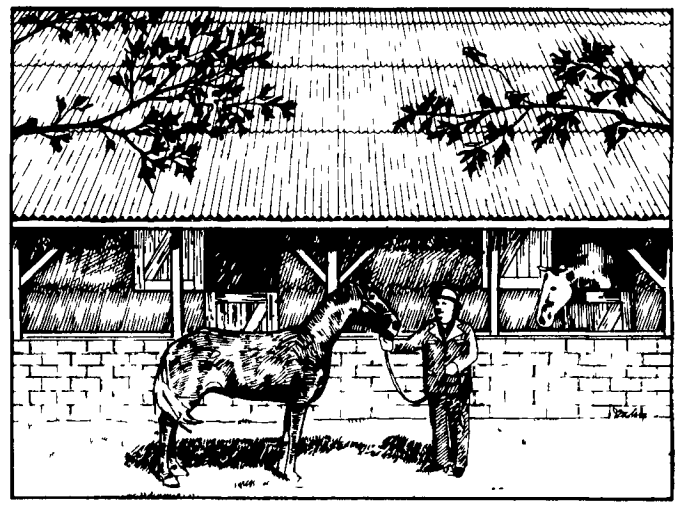

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# Poultry Study Investigates Caged Layer Densities

ITHACA, NY – Cornell University scientists are counting eggs to determine whether chickens kept in small wire "condos" are happy about their living conditions. If chickens live in a stress-free environment and are content, they could become more productive, the Cornell researchers believe.

Chickens, which evolved over centuries from jungle fowl, no longer roam the steamy Southeast Asian rain forests of their ancestors. Most of these domesticated birds now live in a jungle of thousands of wire cages under one roof.

A popular apartment complex consists of multiple decks of cages, each smaller than the typical grocery cart. Three to four hens commonly share such a cage (12 inches wide and 18 inches deep). Larger cages housing six to seven birds each (24 inches wide and 14 inches deep) also are used commercially.

But, are hens happy with their living arrangements in the modern poultry house? That question has been troubling scientists and animal rights activists by the dozens.

"It's tough to find the answers because animals cannot talk to us," says animal physiology Ari van Tienhoven. "People pay small fortunes to psychiatrists (to whom they can talk in their own language) trying to communicate whether they are happy, and if not, why they are unhappy."

The Cornell scientist asks, "How does one then ask an animal whether it is happy when there is a solid communication gap?"

Despite the obvious communication barrier, van Tienhoven and fellow Cornell poultry scientist Dan Cunningham are determined to find out whether living conditions in crowded quarters pose any stress on the chicken, something that has not been investigated thoroughly before. Both researchers are in the New York State College of Agriculture and Life Sciences at Cornell.

When it comes to egg production, the White Leghorn hen – the workhorse of the egg industry – is a fabulous bird. The average hen lays as many as 270 eggs per year, a feat no other breed of chicken on Earth can rival.

It wasn't always that way. The chicken used to eke out a living by scratching the dirt for whatever food it could find, often subsisting on meager handouts from its owner. Left to nature's devices, the bird would lay only a handful of eggs to perpetuate the species.

But, spectacular advances in poultry science over the past several decades have transformed this barnyard scavenger into a superbird. One of the major discoveries was that light stimulates the bird to lay eggs regardless of seasonal changes. That boosted the hen's productivity dramatically. As a result, the modern hen now produces eggs almost day-in and day-out throughout the year.

The focus of the Cornell study is to evaluate what effects the number of hens per cage and the cage design used by commercial egg producers have on egg production.

"There has always been the assumption that a drop in production is somewhat linked to an increase in the social tensions and possibly to a rise in physiology stress," Cunningham says. "Until now, no one has demonstrated whether these factors are true. That's what we are trying to find out in our study."

After about a year into the study, the Cornell researchers already have made some important findings. In a cage where seven hens live together, for example, some of the birds are more aggressive than others. As a result, less aggressive birds in the pecking order produce fewer eggs than do the more aggressive ones in the hierarchy.

"This relationship between rank and egg production didn't exis when only five birds were cage together," Cunningham notes "There may be an ideal number o birds per cage and space per bir that are not so stressful to them."

The Cornell researchers hope t find that magic number and how i will affect egg production. The amount of space required per bir figures prominently in deter mining the bird density per cage.

In addition, the researchers will evaluate the effects of the size o the feed trough and accessibility, because they believe lower ranking birds in the pecking order may not be able to eat as much as they need – a factor considered critical for maximum productivity.

# Angus Association Names ROV Winners

ST. LOUIS, Mo. – The completion of the 1985-86 Angus show season marks the first year for show animals to win various honors in the American Angus Association's Roll of Victory (ROV) point recognition program.

Points from 14 designated ROV shows held annually are awarded to the top five placings in each class, division and reserve division champions, as well as grand and reserve grand champions.

Claiming the top position in the first "Sire of the Year" is the well-known bull, Pine Drive Big Sky. This many-time champion, July 1980, LeMar Eileenmere Lad 549 son was more than 2,000 points ahead of the second place sire. He was bred by LeRoy Billman, Ostrander, Ohio, and is presently owned by LeRoy Billman; Premier Angus Inc,, Cloverdale, Indiana; and Big Sky Associates, Cloverdale, Indiana.

Brost Power Drive took this year's honor as "Show Bull of the Year". A January 1983 son of the "Sire of the Year", Pine Drive Big Sky, Power Drive stood as the grand champion bull at numerous shows from Maryland to Nevada.

Bred by Nick Brost, Oxford, Indiana, Brost Power Drive is owned by Brost Angus Farm. Oxford, Indiana; B&L Properties, Shawnee, Oklahoma; and Premier Angus Inc.

R&J Ranch, Briggs, Texas, bred and owns the "Show Heifer of the Year", R&J June 1964. She is a June 1984 daughter of R&J Austin 13.

Another distinctive honor went to R&J Ranch, as they wrapped up the "Breeder of the Year" category.

A Pennsylvania heifer took top ROV honors in the Junior Heifer Calf category. Kruegers Blackbird Madonna is owned by William Warren, Furlong, Pa., LaVern Krueger and family, LaCrosse, Ind., and Greg Krueger and family, Coatesville, Pa.

# Rabies Clinics Scheduled Today

LANCASTER – The Conestoga Veterinary Medical Association will sponsor 10 rabies clinics throughout the county on Saturday, Aug. 16, from 1 to 3 p.m. Dogs and cats may be presented for vaccination against rabies.

Rabies has not reached Lancaster County in epidemic proportions, but it is very prevalent in counties to the west. Thus far, the Susquehanna River has been the great geographical barrier.

The dogs and cats must be over three months of age and be in good health. The pets must be accompanied by an adult, and all dogs must be on a leash and all cats in a carrier. There will be a charge of $4 per animal.

The clinics will be held at the following locations:

New Holland- Fire House on East Main Street.

Elizabethtown- Friendship Fire & Hose #1 at 171 N. Mt. Joy Street.

Manheim- Fire Hall on South Main Street.

Lancaster- Boys' Club at 33 Dauphin Street.

Lancaster- Stauffer Park Carriage House on the Lititz Pike.

Quarryville- Fire House on East State Street.

Columbia- Fire Hall at 10th and Manor Street.

Paradise- Fire Hall.

Ephrata- Fire House on South State Street.

New Danville- Fire Hall.


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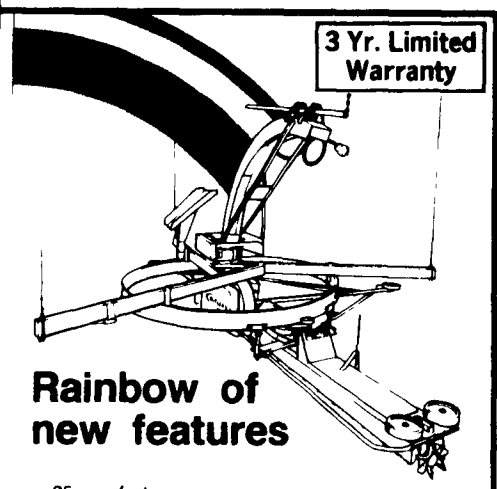


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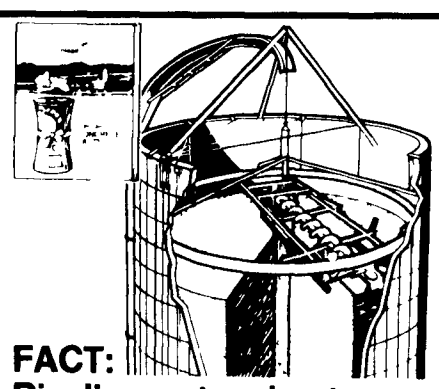

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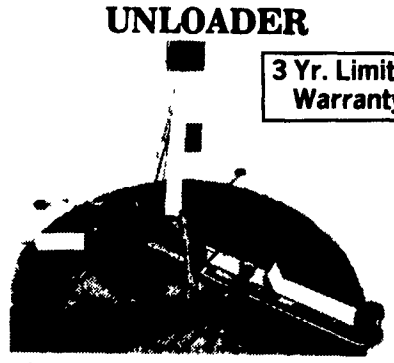


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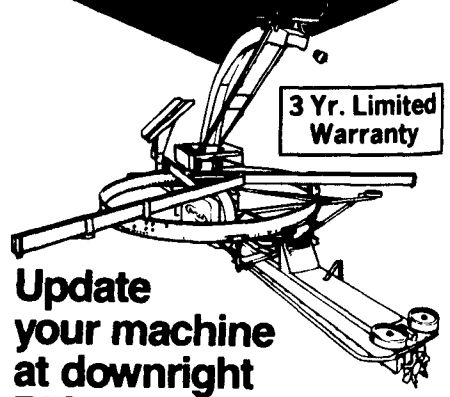


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## Angus Assoc. Restructures Regional Management

ST. JOSEPH, Mo. – A realignment of some staff and regional manager duties has been announced by the American Angus Association. It will result in the elimination of one association regional manager position, and the naming of John Crouch to be director of the new Certified Angus Feeder program in addition to his current duties as director of performance programs.

Jeff Windett, who has been serving as regional manager in Ohio, Indiana, Michigan and Eastern Canada, has accepted the position as regional manager in the West and Northwest, the territory previously managed by Steve Burns who resigned in April. Beginning September 1, Windett will be in charge of Idaho, Oregon, California, Utah, Washington and Nevada.

Since Windett will not be replaced, four of the association's 11 regional manager territories will be realigned effective September 1. The new territories will be as follows:

Chuck Grove, will add Ohio to his present territory of Kentucky and Tennessee.

Bill Powell, in addition to his eastern and northeastern territory will assume responsibility for Eastern Canada.

John Crouch, who has a broad background in the commercial cattle industry and beef cattle performance testing, will take over the responsibility of developing and managing the American Angus Association's new Certified Angus Feeder (CAF) program. The program will be designed to identify registered Angus bulls that sire calves with economical, consistent feedlot performance and high quality, high yielding carcasses. The information gained will be used to help feedlot operators and packers learn more about the performance qualities of the Angus and Angus-cross cattle they buy and use in their operations. In addition, the CAF program will also increase the supply of cattle that qualify for the Certified Angus Beef program.

## Meat Packer Fined

WASHINGTON – MBH Inc., operating as Harrison Brothers Meat Packing Company, Williamsport, has been fined for violating federal meat inspection laws, a U.S. Department of Agriculture official announced.

"The company was fined $2,000 on June 5, 1986, in U.S. District Court, Harrisburg," said Donald L. Houston, administration of USDA's Food Safety and Inspection Service. "This action results from a 1984 incident when the company prepared, sold and transported pork products that were not packaged and labeled under the supervision of a USDA inspector, a violation of the Federal Meat Inspection Act."

The firm pled guilty in April to two counts stemming from the violations.


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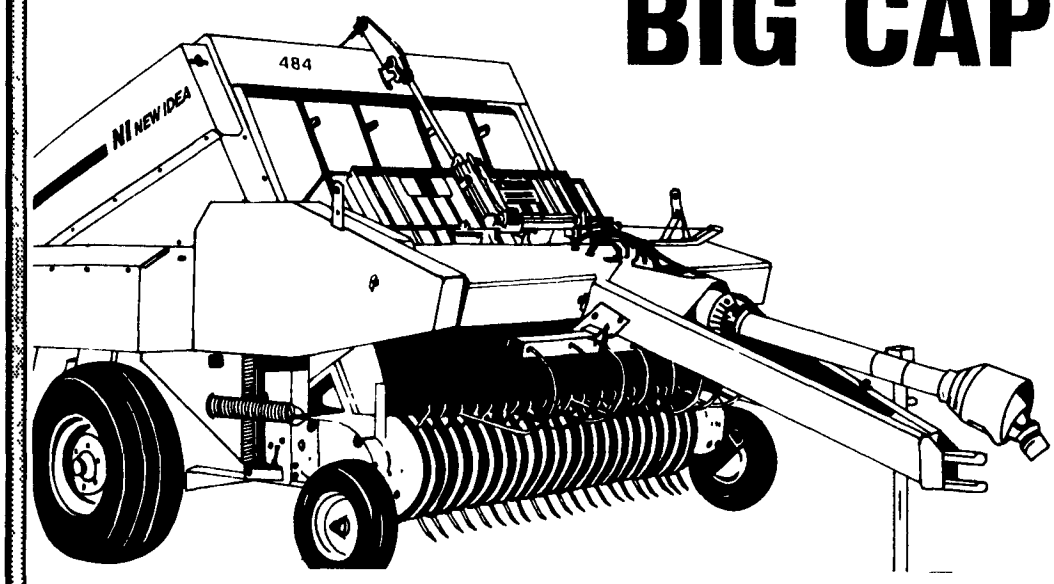


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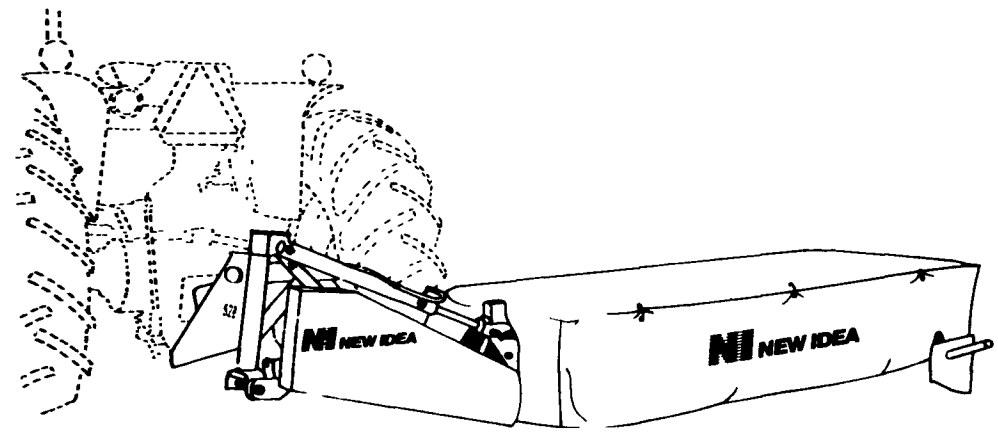


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# BUSINESS NEWS...

Hooks are 20 percent longer on new Olympic forage unloader cutter chain from Harvestore.

## Harvestore Offers New Cutter Chain For Unloaders

BARRINGTON, Ill. – An improved cutter chain from A.O. Smith Harvestore Products, Inc. will fit the form's most popular forage unloaders. The Olympic brand chain and hook assembly, recently introduced as standard equipment on the new Goliath II unloader, is now available as replacement equipment for previous Goliath unloader models.

The new premium quality chain is more durable than the standard chain and its exclusive hooks can boost forage delivery rates, especially in tough feeds such as grass haylage.

The new design features cutter hooks that are 20 percent longer and 30 percent wider at the tip to cut forage more easily and keep working smoothly even when hard spots are encountered. The nine-hook sequence, for which a patent is pending, includes new pusher bars and floor cleaning bars that help move forage faster and reduce climbing or pinning in stored feeds.

Because of the chain's more efficient action, up to 30 percent more torque can be applied to the unloader's cutter arm for faster forage delivery.

For increased service life the new chain is asembled with hardened stainless steel bushing links to withstand the feed acids that can cause spalling and corrosion. Compared with conventional steel alloy bushing links, the new bushings can deliver 50 to 75 percent longer life.

Unlike previous models, the chain can be rebuilt to give even longer service. The bushings are rotated to present a new bearing surface and the chain reassembled with new pins for a "second life" of up to 50 to 75 percent of original bushing life.

This ability to be rebuilt has also been extended to the standard Goliath replacement chain with steel alloy bushings, which Harvestore Products continues to offer. The standard chain is available with old-style forage hooks and in an upgraded version with Olympic hooks.

## *Unverferth Redesigns Header Transports*

KALIDA, Ohio – Header transports produced by Unverferth Manufacturing, Inc., now include engineering improvements which make moving and storing combine heads and grain platforms a quicker, more manageable operation.

Both the upper and lower bars on the new header transports are easily adjustable, resulting in the maximum available clearance. The new design provides excellent weight distribution, allowing safe, true trailing.

In addition, the header transport's rest bars are constructed of strong 3½" tubing, eliminating the need for reinforcing plates.

For more information, contact Unverferth Manufacturing Co., Inc., P.O. Box 357, Kalida, Ohio 45853. Phone 419-532-3121.

## *Farm Credit Plans Ag Progress Display*

The Farm Credit System — Farm Credit News

The Pennsylvania Farm Credit Service is pulling for agriculture and at this year's Ag Progress Days from August 19 through 21, they'll have a chance to show it.

Farm Credit again this year is sponsoring displays during Ag Progress with the theme of "Farm Credit Service – Still Pulling for Agriculture." Using the traditional 40-by-40-foot tent, the Farm Credit event will be entirely covered, therefore minimizing any potential threat from inclement weather. Inside the tent, displays will show some highlights of Farm Credit's background focusing on seven specific years in its 70-year history.

Starting the display is the year 1916 when President Woodrow Wilson signed legislation which created the National Farm Loan Association. This legislation laid the foundations for what grew into the present-day Farm Credit System. Along with the display for the year, a costumed guide dressed for the era will be available to answer questions and provide information for visitors.

Two other costumed guides from other selected years are scheduled along with representatives from all nine of the Pennsylvania Farm Credit services to assist visitors.

According to Joseph Harrington, general manager of the Ag Progress Days from the Pennsylvania State University College of Agriculture, the three-day exposition is an educational event for farmers, agribusiness associates, rural and urban consumers giving everyone the opportunity to learn about American agriculture.

"Traditionally, Ag Progress Days brings to focus agriculture and offers the 75,000 expected visitors an opportunity to review the past, see the present and look for technological changes in the future," said Mr. Harrington.

Known as "Ag Progress Days" since 1969, the yearly event found its home eleven years ago at the present location at the Rock Springs Agricultural Research Center which is 10 miles southwest of State College on Route 45W. Ag Progress grew out of "Grassland Field Days" which was started in the early 1950's and sponsored by the Pennsylvania State College of Agriculture. With no parking fees or admission charges, it gives all interested individuals and groups a chance to see American agriculture from a first-hand view. Groups from as far away as Maryland, New Jersey, New York, Ohio and throughout the state of Pennsylvania are organizing busloads and caravans to attend the three-day event.

"Ag Progress is a static exhibit," said Harrington. "A visitor can see things in operation. It is a great opportunity to actually view equipment in action."

Farm Credit Service is one of 320 commercial companies participating this year in Ag Progress Days. In addition, more than 40 non-commercial organizations including state and federal agencies, groups from Pennsylvania State University and other educational/informational organizations are planning exhibits. Every display demonstrates contributions past, present and future to the farming community. From banking institutions to insurance, seed companies to equipment and implement manufacturers, chemical firms to breeders all have the opportunity to display their services or products. This gives visitors the chance to see what advances have been made throughout the agribusiness community in a non-pressured, educational environment.

Joyce Waid from the Meadville Farm Credit Service is this year's coordinator of the display. Ms. Waid is a part of the Pennsylvania Marketing Committee which consists of marketing coordinators from throughout the Farm Credit Service in Pennsylvania. The entire Marketing Committee along with other volunteers and workers from Farm Credit are scheduled to help throughout the three-day event.

The other members of the committee representing the Farm Credit Service of Pennsylvania are: Carol Mercner of West Chester; Leah Bigham and Duane Bosler of York; Bobby Jones of Lewisburg; Darlene Staudt of Fogelsville; Jim McGuire of Washington; Laurie Thomas of Butler; Scott Owens of Lancaster; and Tom Gooch of Coudersport.

## Baltimore Farm Credit Issues Second-Quarter Statement

BALTIMORE, Md. – The Farm Credit Banks of Baltimore, the mid-Atlantic region's major agricultural lender, issued second quarter financial statements recently which reflect sound local operations despite continued stress in the national agricultural economy.

"We are pleased to report that the Baltimore Banks and most of our 26 affiliated Federal Land Bank Associations (FLBAs) and Production Credit Associations (PCAs) operated profitably during the second quarter, before the effects of national loss sharing assistance," said Gene L. Swackhamer, president of the Baltimore Farm Credit Banks.

"Under normal conditions the banks' combined operations would have generated $10.6 million on net earnings during the second quarter. However, because of our district's $27.6 million participation in national loss sharing programs we must report a net operating loss of $16.4 million for the quarter," Swackhamer explained.

He said that during the first six months of this year the Baltimore District had contributed a total of $31.8 million in assistance to other financially troubled Farm Credit Districts. As a result, the District experienced a mid-year net operating loss of $13.0 million, compared to the $20.5 million in net earnings at mid-year 1985.

Swackhamer acknowledged that the need to provide financial assistance to other districts would probably continue during the third and fourth quarters, but was uncertain how much help would be needed.

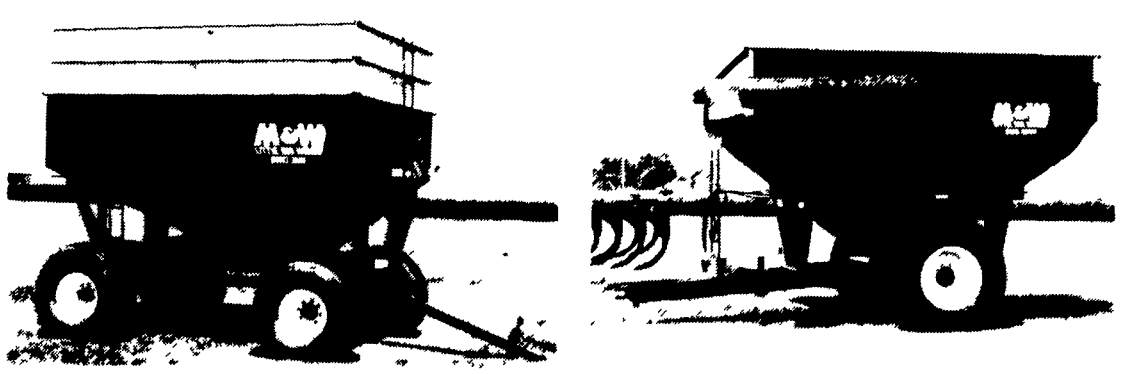
"Farmers in many areas of the country are going to continue to experienced tough times, economically. The devastating drought that is affecting parts of our district and the Southeast will place more hardships on many farmers who already have been coping for several years with low commodity prices," Swackhamer said.

Second-quarter operating statistics released by the Baltimore Banks showed only a slight increase in loan delinquencies as compared to the same period in 1985. FLBA farm loan delinquencies rose from 4.4% to 4.5% of the number of loans outstanding, while PCA delinquencies rose from 3.2% to 3.4% of the number of borrowers. The second-quarter FLBA farm loan delinquency rate is down eight tenths of one percent from the first quarter of 1986 and the PCA delinquency rate is the same.

Foreclosure cases were down at the end of the second quarter 1986 as compared to the same time last year. A total of 190 FLBA borrowers were involved in foreclosure action this year as compared to 196 in 1985. PCA foreclosure cases numbered 62, compared to 81 at mid-year 1985.

Swackhamer said much of the Baltimore District's success during the current period of adversity can be attributed to the commitment of farmers to meet their obligations and the efforts of local loan officers to work with financially stressed borrowers.

## New From M&W Gear



M&W Gear Company, Gibson City, Ill., recently introduced the Model 3800 Gravity Wagon to its line. This single-door side delivery wagon has a 380-bushel capacity. The unit has front and rear access ladders, folding chute and rack-and-pinion control door. At right is the new 4800A Grain Cart. With 480 bushel capacity, the cart features 12-inch auger, rugged construction and can be unloaded in about three minutes.

## Simplicity Introduces Utility Tractors

PORT WASHINGTON, Wisc. – Simplicity's new SunStar Series combines the capabilities of compact utility tractors with the convenience of garden tractors. Available as an 18 or 20 horsepower model, the units feature state-of-the-art components and engineering.

The tractors' twin-cylinder, air-cooled Kohler Magnum engines are cooled by a unique top-draw air flow system. The SunStar's power train includes a rugged solid drive shaft and a heavy duty transaxle for shiftless operation. Hydrostatic power steering (standard on the 20 hp) combined with a newly designed double-pivoting front axle, increase the tractors' maneuverability; SunStar's turning radius is 26 inches. Self-adjusting 7-inch drum brakes are standard on both models.

A special SunStar attachment, the new 60-inch free-floating mower, is designed to handle large mowing jobs with ease. All SunStar attachments – including the 42, 48 and 60-inch decks, 42-inch snowthrower, 36-inch tiller and vacuum collector – are shaft rather than belt driven and are hydraulically raised and lowered. Attachments are electrically rather than manually engaged.

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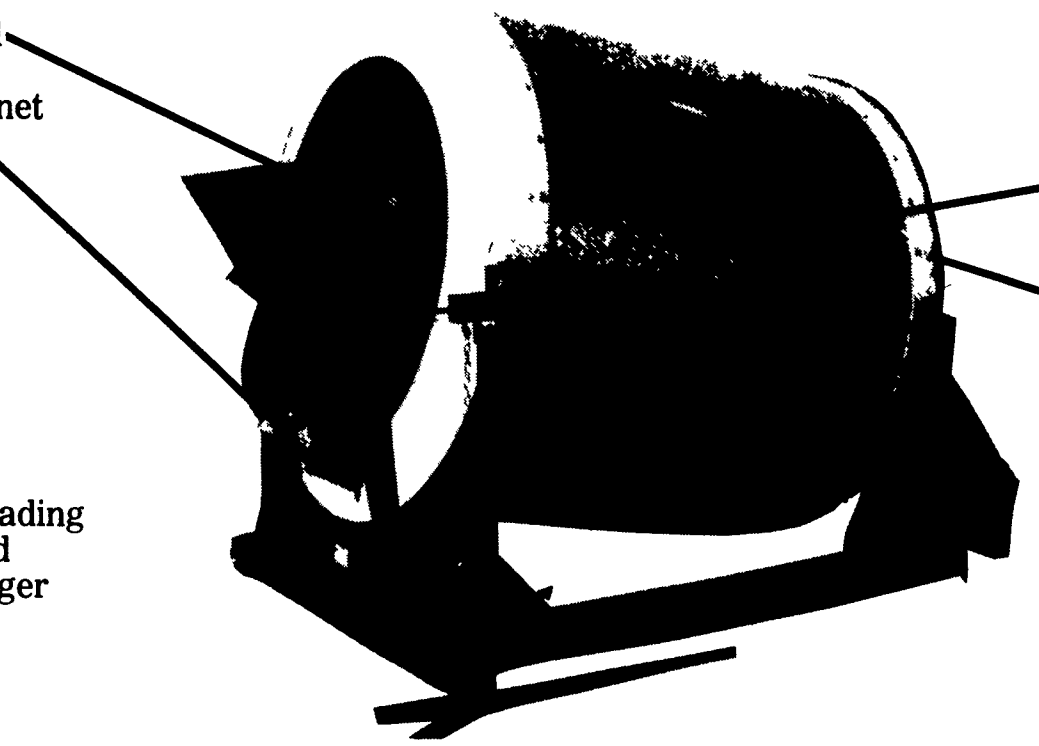
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# Cargill Exec Testifies On Grain Quality Standards

WASHINGTON – A Cargill executive told a joint hearing of two subcommittees of the House Agriculture Committee this week that sweeping changes are not needed in grain-quality standards.

Joseph P. Botos, a Cargill vice president, said that given the pressure for change, grain-industry leaders cannot sit on the sidelines.

"Cargill's view is that sweeping changes are not needed; that there is a cost to the United States in giving everyone...what the most-demanding buyer wants; that the choices our system provides are strengths that should be preserved; and that some administrative changes may, on occasion, be needed to ensure that federal grain standards and inspection procedures provide both buyers and sellers with the most accurate information feasible," Botos said.

The United States' loss of export markets in recent years is primarily price related, Botos said.

"U.S. grain prices that have, at times, been $40 per ton over competing non-U.S. grain prices put U.S. producers and exporters at a huge disadvantage. The most heroic efforts of grain producers, handlers and exporters aimed at improving grain quality will do very little to improve the competitive health of U.S. grain exports," he said.

Botos also said charges that U.S. grain handlers intentionally adulterate grain are blatantly untrue. He noted that adulteration of grain is against the law.

He said those who confuse blending with adulteration fail to realize that producers are the major beneficiaries of blending practices. "They enable the domestic marketplace to pay premiums for better-quality grain--premiums that foreign buyers are unwilling to pay. Blending also enables the domestic marketplace to find markets for weather-damaged grain that buyers here and abroad would not take directly. Very simply, blending enables us to give more for the farmer's output than end-users would pay directly," Botos said.

"While it is true that quality complaints from foreign buyers increased during 1984 and 1985, formal complaints still represented less than two percent of all grain exported in 1985. Of the 71 complaints, only one was deemed valid by FGIS inspectors on further investigation," the Cargill executive said. He said a sharp drop in the number of complaints this year–half as many as at the same time last year–roughly coincides with the decline in the value of the dollar relative to other currencies, and anticipation of lower prices for U.S. grain as the 1985 Food Security Act is implemented.

He said trying to cure problems with impractical and impossible-to-implement legislative remedies would cost U.S. producers and all taxpayers heavily and ultimately would fail.

# Northumberland CCD To Hold Meeting

SUNBURY – The Northumberland County Conservation District, Cooperative Extension Service, and Soil Conservation Service will sponsor a twilight meeting on Thursday, Aug. 28, from 6:30 to 9:45 p.m.

The meeting will begin with a tour of Scott and Russell Hummel's no-till corn demonstration plot from 6:30 to 7:00 p.m. The plot is located at the intersection of legislative routes 49023 and 49115, approximately two miles southwest of Augustaville. Signs posted along the road will lead to the site from Route 890 at Augustaville.

Starting at 7 p.m., the rest of the meeting will be held indoors at the Hummel farm. Presentations will be made by chemical company and agency representatives on a variety of topics.

George Phillips of the conservation district staff will present a slide program on the results of the conservation district's no-till demonstration plot program. Bill Krieger, a consulting forester from Elysburg, will discuss woodland management. Kevin Blake, Soil Conservation Service, will speak on the Conservation Reserve Program and Sod Buster regulations.

Highlighting the meeting will be a presentation on DER's new Mobile Nutrient Laboratory by Russ Wagner, Bureau of Soil and Water Conservation. The mobile lab will be at the Hummel farm from 9:00 a.m. until the meeting and will be open for inspection.

The meeting will also feature the premier showing of a slide presentation produced by the Northumberland County Conservation District entitled "Manure: Where Does It Go From Here."


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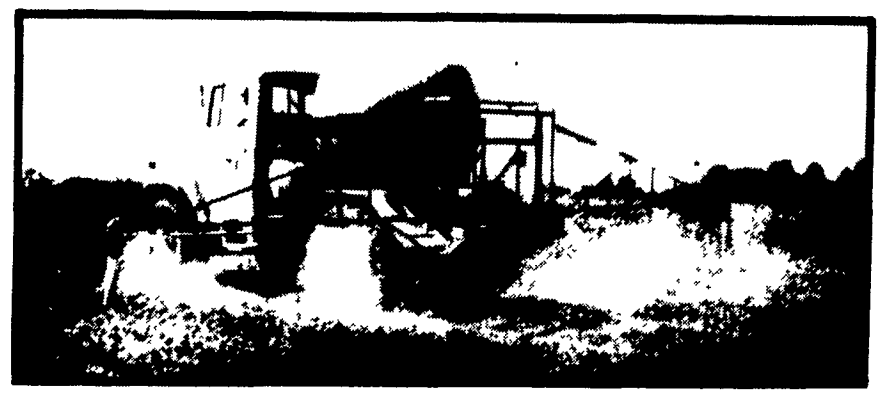

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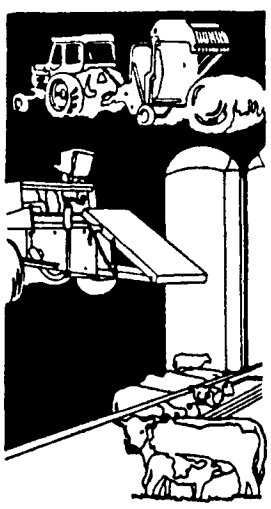

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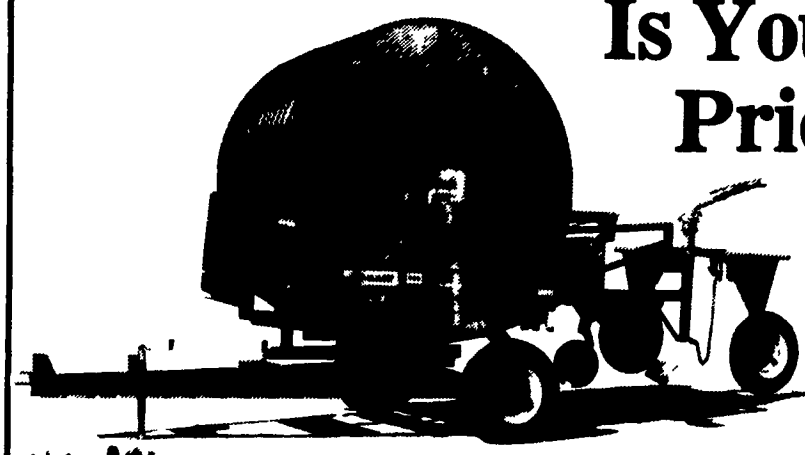

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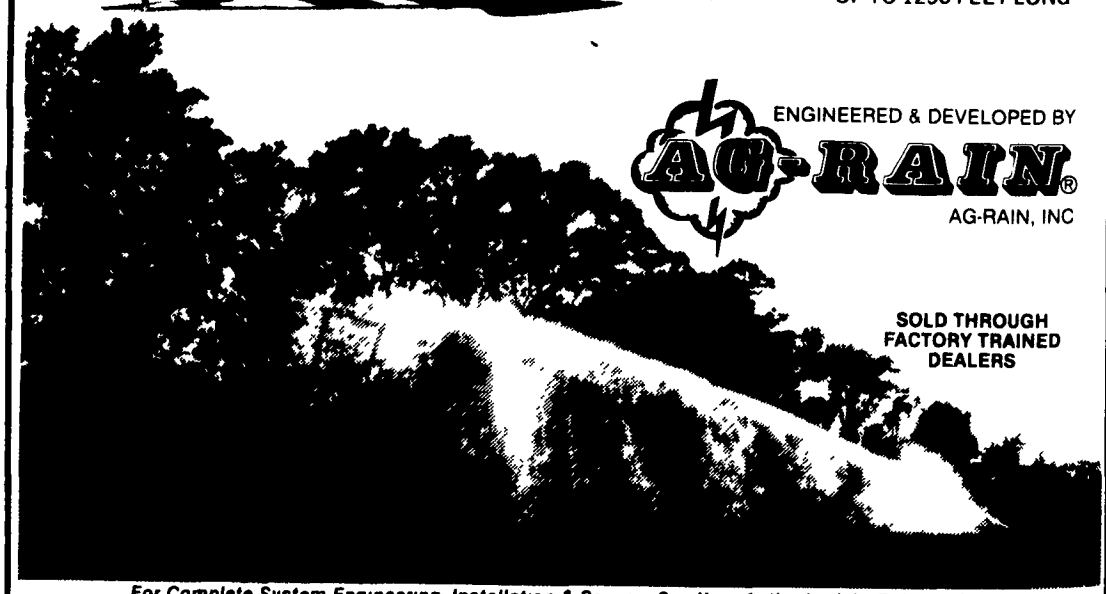

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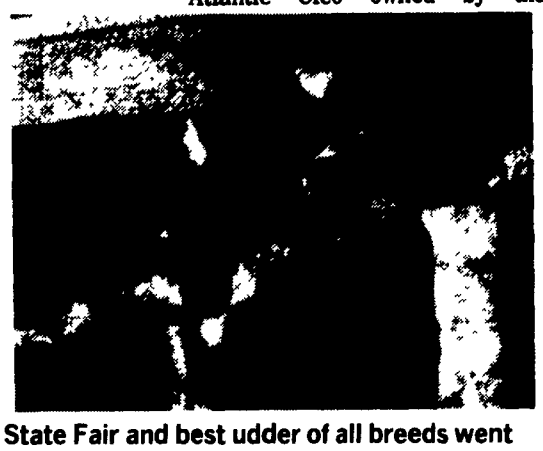
# Delaware State Fair Dairy Winners Announced

NEWARK, Del. — Winners of the Delaware State Fair in the Junior and Open Dairy Shows were announced recently.

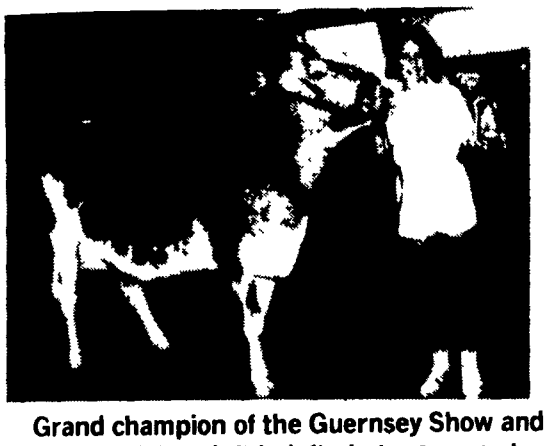
Junior show grand champions included: Ayrshire — Rockland Jack's Velvet owned by Laurie Anne Moore, Newark; Guernsey — England Farms Fayette Melida owned by Bobby and Billy McClements, Dover; Jersey — Gabbys Sophia Samson Laverne owned by Danny Severson, Dover; and Holstein — Greenlea Rebelette Crissy owned by John Green, Middletown.

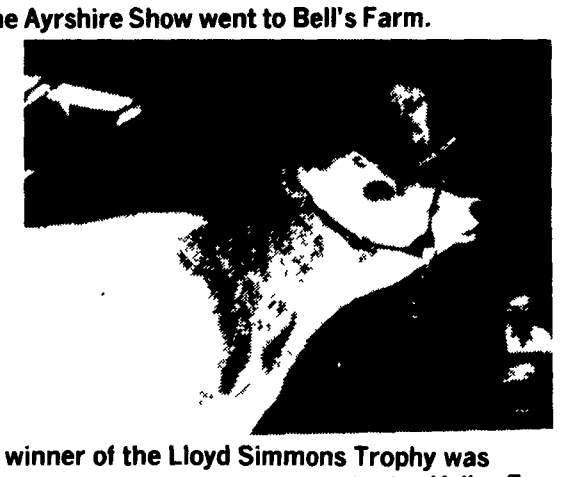
Open show grand champions included: Jersey — SV Bright Spot Opal owned by Spring Valley Farm, Westminister, Md.; Ayrshire — Bells Farm Hi Cals Nugget owned by Cindy and Becky Bell, Elmer, N.J.; Guernsey — U of D Atlantic Cleo owned by the University of Delaware, Newark; and Holstein — Centerdel Leader E-Star Leader Randy owned by Laura Phipps, Wilmington.

Dr. J. L. Majeskie of the University of Maryland judged the Junior and Colored Open Breeds Show. Harry Roth of Atlantic Breeders judged the open Holstein Show.



Grand champion Holstein at the Delaware State Fair and best udder of all breeds went to Laura Phipps, left. Grand champion of the Ayrshire Show went to Bell's Farm.





Grand champion of the Guernsey Show and winner of the Lloyd Simmons Trophy was Amantha Wolfer, left in left photo. Grand champion of the Jersey Show was Spring Valley Farm.

**JUNIOR DAIRY SHOW**
**Delaware State Fair**

**AYRSHIRE**

Junior Champion Female— Leslie Jane Moore
Junior Reserve Champion Female— Leslie Jane Moore
Senior Champion Female— Anne Moore
Reserve Senior Champion Female— Leslie Jane Moore
Grand Champion Female— Laurie Anne Moore
Reserve Grand Champion Female— Leslie Jane Moore

**GUERNSEY**

Junior Champion Female— Bobby and Billy McClements
Grand Champion Female— Bobby and Billy McClements

**JERSEY**

Junior Champion Female— Mark Robert Barczewski
Reserve Junior Champion Female— Danny Severson
Senior Champion Female— Danny Severson
Grand Champion— Danny Severson

**HOLSTEIN**

Junior Champion Female— Samuel Dixon
Reserve Junior Champion Female— Martha Phipps
Senior Champion Female— Martha Phipps
Reserve Senior Champion Female— John E Green
Grand Champion— Martha Phipps
Reserve Grand Champion— John E Green
Fitting 13 and under— Sam Dixon IV
Fitting 14 and over— Will Phipps
Showmanship— 13 and under— Deborah Warren
Showmanship— 14 and over— Will Phipps

**JERSEY OPEN SHOW**

Bull Calf— Danny and Karl Severson
Junior Champion Bull— Danny and Karl Severson
Junior Heifer Calf— Spring Valley Farm
Intermediate Heifer Calf— Kalmar Farm
Senior Heifer Calf— Spring Valley Farm
Junior Yearling Heifer— Spring Valley Farm
Summer Yearling Heifer— Spring Valley Farm
Senior Yearling Heifer— Spring Valley Farm
Junior Champion Female— Spring Valley Farm
Reserve Junior Champion Female—Kalmar Farm
Young Herd— Kalmar Farm
2 Year Old Cow— Kalmar Farm
3 Year Old Cow— Spring Valley Farm
4 Year Old Cow— Spring Valley Farm
Aged Cow— Spring Valley Farm
Dry Cow— Spring Valley Farm
Senior Champion Female— Spring Valley Farm
Reserve Senior Champion Female— Kalmar Farm
Grand Champion Female— Spring Valley Farm
Reserve Grand Champion Female— Kalmar Farm
Best Udder— Spring Valley Farm
Produce of Dam— Spring Valley Farm
Dam and Daughter— Spring Valley Farm
Best Three Females— Spring Valley Farm
Dairy Herd— Spring Valley Farm

**AYRSHIRE OPEN SHOW**

Bull Calf— Cindy and Becky Bell
Junior Champion Bull— Cindy and Becky Bell
Junior Heifer Calf— Cindy and Becky Bell
Intermediate Heifer Calf— Joe and Kenny Bell
Senior Heifer Calf— Leslie Jane Moore
Junior Yearling Heifer— Cindy and Becky Bell
Summer Yearling Heifer— Leslie Jane Moore
Senior Yearling Heifer— Cindy and Becky Bell
Junior Champion Female— Cindy and Becky Bell
Reserve Junior Champion Female— Joe and Kenny Bell
Young Herd— Cindy and Becky Bell
2 Year Old Cow— Cindy and Becky Bell
3-Year Old Cow— University of Delaware
4-Year Old Cow— Susan Hudson
Aged Cow— Cindy & Becky Bell
Dry Cow— Cindy & Becky Bell
Senior Champion Female— Cindy and Becky Bell
Reserve Senior Champion Female— Susan Hudson
Grand Champion Female— Becky Bell
Reserve Grand Champion Female— Susan Hudson
Udder Class— Susan Hudson
Produce of Dam— Cindy and Becky Bell
Dam and Daughter— Cindy and Becky Bell
Best Three Females— Cindy and Becky Bell
Dairy Herd— Cindy and Becky Bell

**GUERNSEY OPEN SHOW**

Junior Heifer Calf— University of Delaware
Intermediate Heifer Calf— Bobby and Billy McClements
Senior Heifer Calf— University of Delaware
Junior Yearling Heifer— University of Delaware
Summer Yearling Heifer— Bonnie McClements
Senior Yearling Heifer— Bonnie McClements
Junior Champion Female— University of Delaware
Reserve Junior Champion Female— University of Delaware

(Turn to Page D18)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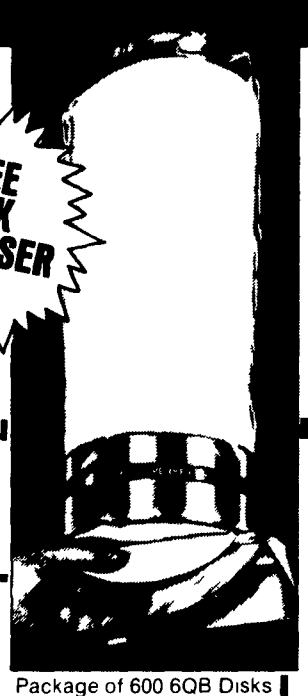

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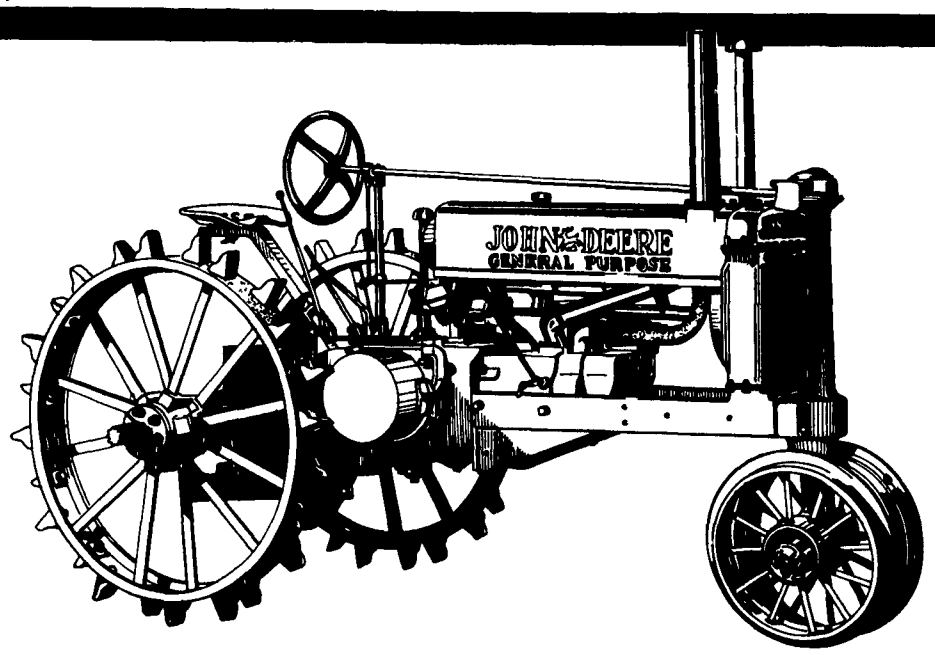


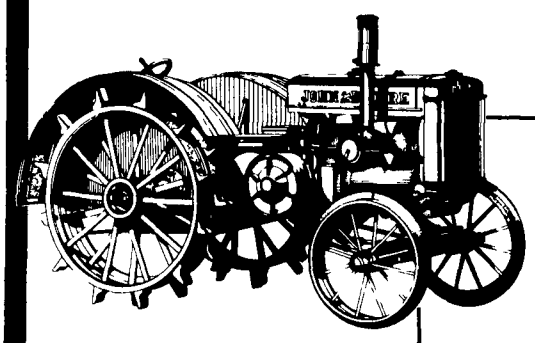

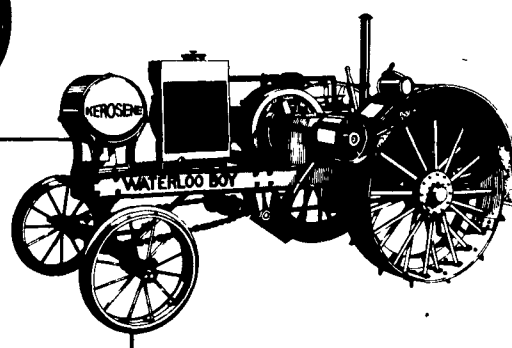


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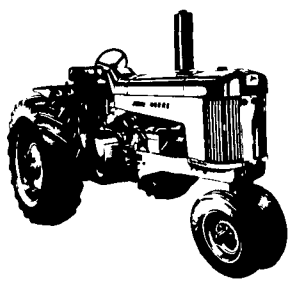

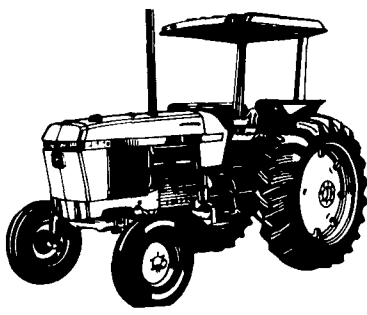

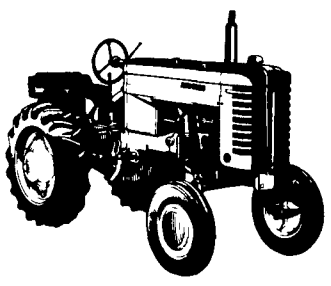

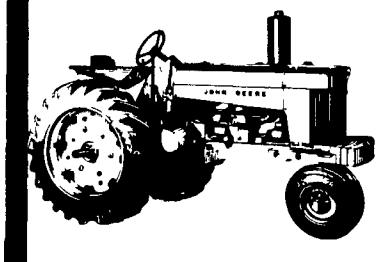

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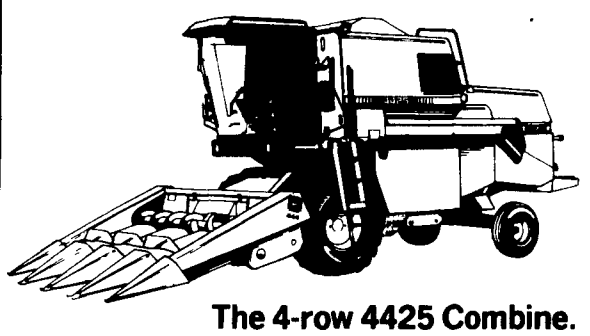

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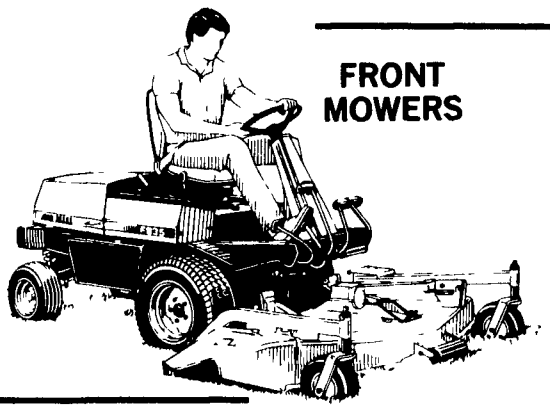

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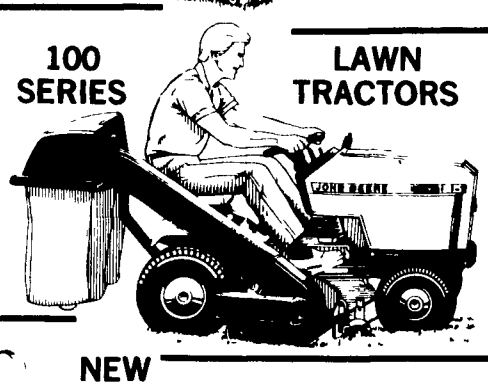

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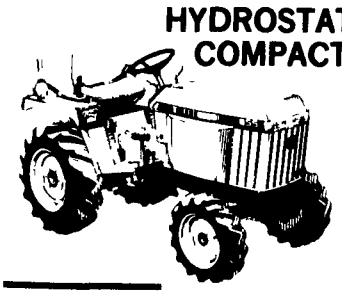

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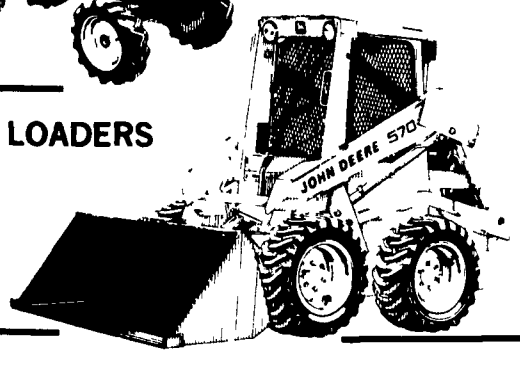

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- Discount in lieu of finance waiver on new units only.
- Factory discounts passed along to you.

*Availability of John Deere financing subject to approval of credit These offers may be withdrawn at any time

## John Deere row-crop tractor savings countdown

We have a good selection of John Deere 4050 through 4850 Row-Crop Tractors that you can buy at huge savings. The earlier you buy, the more you can save. See us for details.

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- Discounts in lieu of finance waiver on new models
- Very attractive factory discounts passed on to you.

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# Snyder Co. Organic Farm Celebrates 40th Anniversary

BY CRAIG BINGMAN
Snyder Co. Correspondent

For forty years, Paul and Betty Keene, founders of Walnut Acres, have proven that organically grown crops nurture a wholesome and abundant nature-grown product.

Paul and Betty's life together began in India, where she was born and raised. Missionaries in agriculture, rural living, and nutrition gave them their first taste of the simplicity of rural life.

In the summer of 1940, the Keenes moved to the Catskills of New York to learn the secrets of wheat grinding, bread baking, and canning from a farm owned by friend Bill Simpson. The following Spring found them teaching and learning at the School of Living in Suffern, N.Y. As co-directors of the school, they worked for the Borsodis family for five dollars per week absorbing the benefits of composting, bread baking, beekeeping, and milking.

After two years at the school, the Keenes furthered their thirst for knowledge of natural living by accepting a position for fifty dollars a month at the Kimberton Farms School near Philadelphia. Here they learned the cycles of the soil and its life bearing qualities.

In 1945, it was time to subdue the yen of independence by applying their hard learned techniques on a rented farm near Easton, PA. That year in Northampton County proved disastrous as two consecutive July hailstorms destroyed the whole crop.

So, in the Spring of 1946, with $200, two horses, 1 child – and one on the way – the Keenes found Walnut Acres in southern Snyder County near the village of Penns Creek. "We wanted to find out how to live simply and happily," says Lititz-born Paul Keene.

To pay for the borrowed $5000 for their 100 acres, Paul set out to plowing with their two horses while Betty sold her homemade cheddar cheese. Their first mail order product was "Apple Essence" in which 500 quarts were canned that first year and sent to customers. It took the "Snyder County Dutchmen" a little time to catch to this different mode of living, but after the farmers saw the results, the Keenes were accepted.

Paul Keene stands in front of his Walnut Acres store. The founder says they serve 50,000 customers worldwide.

In the years that passed, Walnut Acres grew from stone mills and house sales to custom grinding and a modern new store. Todat Walnut Acres is 500 acres, employs 80, and does an annual 4 million dollar business.

Though the business has multiplied many times since 1946, Walnut Acres still grinds flour fresh every day, pulls weeds by hand, and abstains from the use of any chemical sprays or food additives. "Soil is being ruined because of the production of cheap food," says Paul. "We (mankind) are so far from where nature wants us to be."

Growing all of the grains and seeds (wheat, rye, barley, alfalfa) and most of the vegetables (kidney beans, lentils, peas, corn, tomatoes, beets, etc.), Walnut Acres makes their complete living from the soil. This is done organically without the use of synthetics, artificials, or manufactured chemicals that would deplete rather than enhance and enrich. Their products, which number over 500, range from peanut butter to soups. Also available is the many granolas, dried fruits and vegetables, breads, cookies, crackers, spices, honey, oils, nuts, jellies, beverages and more – all natural.

Just how does Walnut Acres enrich their soil? Naturally, of course, with organic matter (compost and mulch), natural mineral fertilizers (lime, phosphate rock, etc.), and animal and green manure. Even their herd of holsteins is fed with organic grains.

Their soil building techniques are demonstrated by the crop residue they leave. They refrain from taking off the straw after the grain has been harvested.

"You've got to put more back into the soil then you take out," stresses Keene. "If you do that, you find less insects and diseases." It also builds organic matter and the quality of soil.

Walnut Acres also makes it a practice of leaving ¼ to ⅓ of the soil idle. And, they rarely use the same strip for the same crop thereby keeping ahead of insects and disease. The Keenes believe that insects are nature's teachers.

Conservation practices are evident on the farm. Strip-cropping, waterways, terraces, and subsurface drainage adorn the 360 acres of cropland.

Another unique specialty at Walnut Acres is that employees receive stock at the rate of 5 shares per year for twenty years. The workers, able to receive a maximum of 100 shares, actually own the business and share in its growth. And even though the profits range from one to one and half percent, the business continues to expand due to quality

(Turn to Page D18)

Walnut Acres grows, harvests, packs, and sells its produce. The store offers many hard-to-get foods; over 500 items.

An overlook of Walnut Acres.

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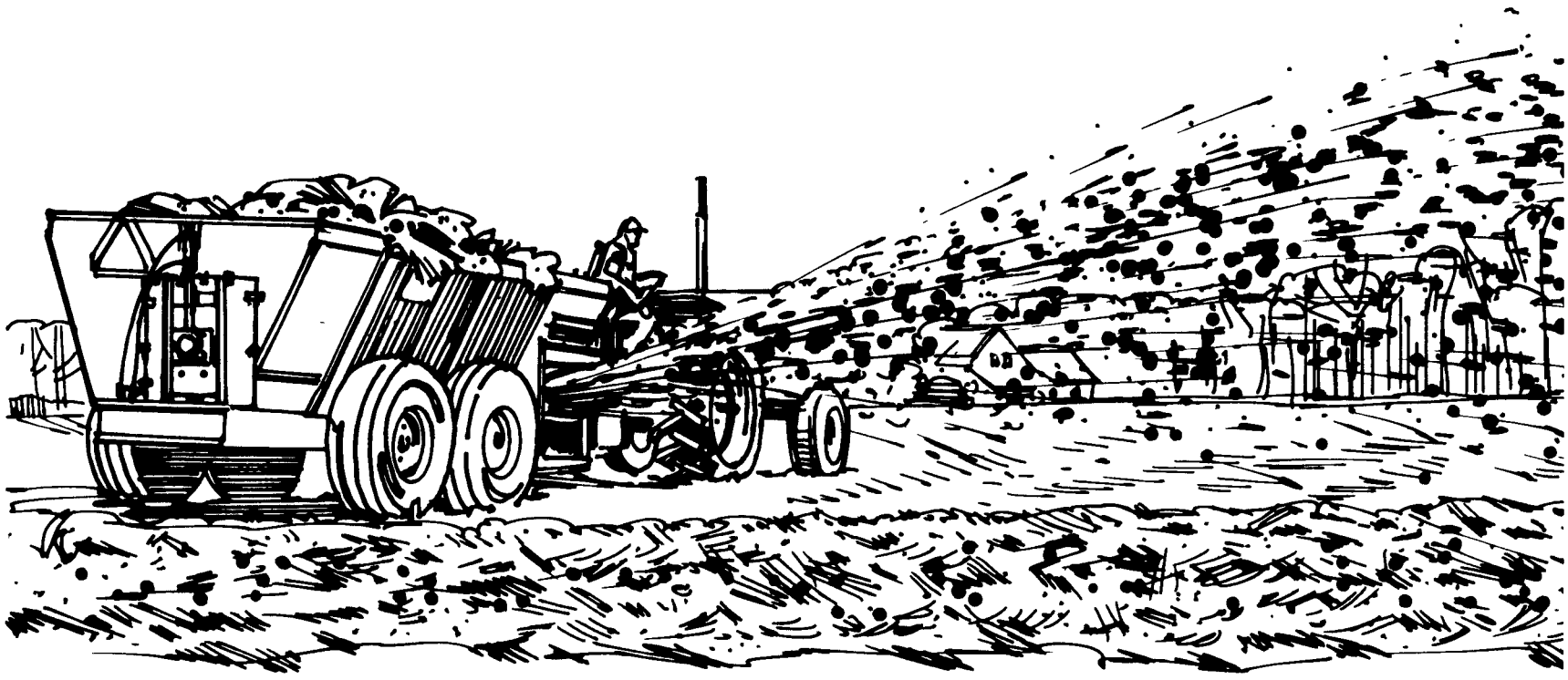

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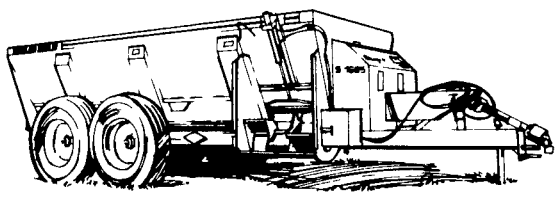

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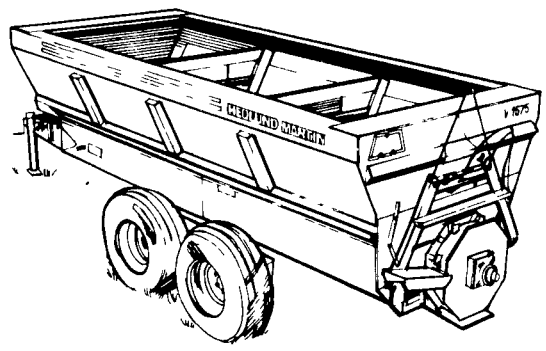
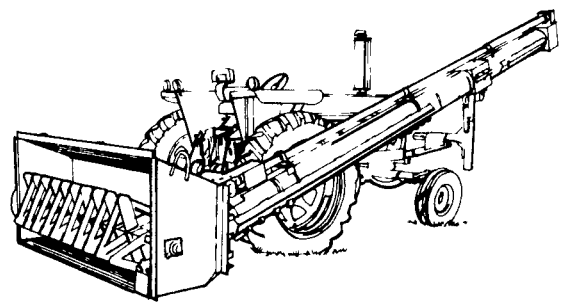
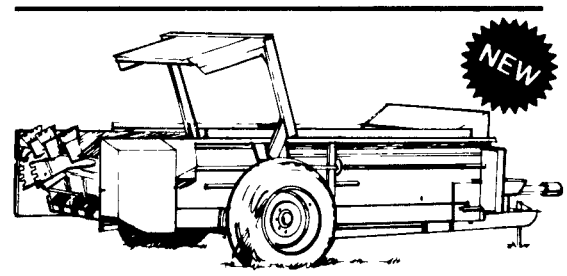


**Vanguard spreads high volumes of semi-solid manure quickly and evenly.**



**Revolutionary Equalizer is specially-designed to efficiently load semi-solid manure.**

design to spread most kinds of manure—liquid, semi-solid, pen-pack—all year 'round. The Vanguard spreader and Equalizer loader, specially-designed to make fast work of loading and spreading semi-solid manure. The large capacity LT to spread liquid manure quickly and evenly over any type of terrain. And the

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# Herbicide Carryover Not A Problem Despite Drought

COLLEGE PARK, Md. – No-till corn production may be getting a bum rap during Maryland's record-breaking drought. One of the most-publicized problems is that a lack of adequate rainfall kept triazine herbicides – the cornerstone for no-till corn production -- from working properly. Consequently, weed control was poor to virtually non-existent in many no-till cornfields this year.

But some farmers have had excellent weed control despite the drought, says Ronald L. Ritter, Extension weed control specialist in the University of Maryland's agronomy department at College Park.

Their secret? An early pre-plant program of weed control which is being recommended more and more these days by Extension specialists and agricultural agents.

According to Ritter, farmers who followed the program applied their herbicides two to four weeks before planting time. Throughout most of the state, moderate rains during the last of April activated these herbicides. It takes only a half inch of rain to activate the herbicides, Ritter reports.

The early-applied herbicides killed off vegetation which was soaking up limited soil moisture reserves even before the normal planting dates for corn.

Meanwhile, many farmers who applied their herbicides at planting time missed the late-April rains and had no appreciable rainfall during May to start the corn growing or to activate the herbicides. Even so, there seemed to be sufficient moisture for weeds to thrive.

"The early pre-plant weed control program buys time for growers," Ritter says, "and this year really proved its value. It also allows custom applicators a bigger window of time in which to get their work done."

In addition, early pre-plant weed control in cornfields gives triazine herbicides more time to decompose before small-grain seeding time in the fall. This is critical because residual triazine herbicide can cause a problem for small grain, says Ritter.

Some environmentalists have expressed concern that unactivated herbicides in this drought year might be washed into Maryland waterways -- and eventually the Chesapeake Bay – if heavy rains occur anytime soon. Ritter doesn't think that possibility is any greater than in a normal year. The reason is that most areas of the state have had at least some light rain in recent days – enough in most cases to activate the herbicides and trigger their decomposition.

His main concern is that the decomposing process was started so late that the triazine corn herbicides may threaten small grains seeded in the same fields this fall. "The biggest danger lies in fields where high rates of Princep were applied this spring. This is especially true in fields where the pH is low, and farmers will apply lime in order to correct the acidity problem prior to small-grain seeding.

What about farmers utilizing corn for silage or other forage from fields where herbicide failures occurred earlier this season? Is there a danger to livestock?

"No," says Dr. Ritter, "since most herbicides which are cleared for field corn production are also cleared for silo corn."

## *Fence Building Contest Slated*

Greene County is the high-tensile fence capitol of the United States. Where better to state New Zealand's number-one spectator sport. Fifteen highly mechanized crews go head-to-head at 1 p.m. Saturday, September 20 at Lifetime Fence Company, Inc. Paisley Industrial Park in Carmichaels.

See professional crews from throughout the U.S. build high-tensile fencing with speed and accuracy.

For additional information, call Lifetime Fence Company, Inc. (412) 966-2612.

# Walnut Acres Anniversary

(Continued from Page D16)

foods at wholesale prices.

As business became very good, the Keenes decided to start the Walnut Acres Foundation, a non-profit venture that reaches out to the less fortunate locally and abroad. "As past missionaries, we were taught to reach out and help," Keene said. In fact, in 1976 the Keenes borrowed money to build a community center in Penns Creek.

It is impressive that such a small town business can generate such worldwide attention. Walnut Acres' 50,000 customers have included Bob Cummings, Gloria Swanson, Mia Farrow, and, of course, fellow naturalist and Snyder County resident, Euell Gibbons.

The future of organic farming looks good. More farmers are following Paul and Betty Keene's lifelong quest to keep soil fit and to produce wholesome food for our people. A favorite saying of the Keenes is "if the wheels of your chariot run in the grooves of the eternal, the heavenly powers will do your work for you."

# Delaware Dairy

(Continued from Page D13)

Young Herd— Bonnie McClements
2 Year Old Cow— University of Delaware
3 Year Old Cow— University of Delaware
4 Year Old Cow— University of Delaware
Aged Cow— Bonnie McClements
Dry Cow— University of Delaware
Senior Champion Female— University of Delaware
Reserve Senior Champion Female— University of Delaware
Grand Champion Female— University of Delaware
Reserve Grand Champion Female— University of Delaware
Udder Class— University of Delaware
Produce of Dam— University of Delaware
Dam and Daughter— University of Delaware
Best Three Females— University of Delaware
Dairy Herd— University of Delaware

**HOLSTEIN OPEN SHOW**

Bull Calf— Samuel W Davis
Yearling Bull— W Levis Phipps Jr
Junior Champion Bull— W Levis Phipps Jr
Junior Heifer Calf— Aynestead Holsteins
Intermediate Heifer Calf— Samuel W Davis
Senior Heifer Calf— Norman W Voss Jr
Summer Yearling Heifer— Ca n View Farms
Junior Yearling Heifer— Paul M Jackson
Senior Yearling Heifer— Norman W Voss Jr
Junior Champion Female— Norman W Voss Jr
Reserve Junior Champion Female— Cain View Farms
2 Year Old Cow— Norman W Voss Jr
3 Year Old Cow— Laura Phipps
4 Year Old Cow— Cain View Farms
Aged Cow— Norman W Voss Jr
Dry Cow— Norman W Voss Jr
Senior Champion Female— Laura Phipps
Reserve Senior Champion Female— Cain View Farms
Grand Champion Female— Laura Phipps
Reserve Grand Champion— Cain View Farms
Udder Class— Laura Phipps
Produce of Dam— Samuel W Davis
Dam and Daughter— Samuel W Davis
Best Three Females— W Levis Phipps Jr Family
Dairy Herd— W Levis Phipps Jr Family
**Craig Eliason Memorial Trophy**— Laura Phipps


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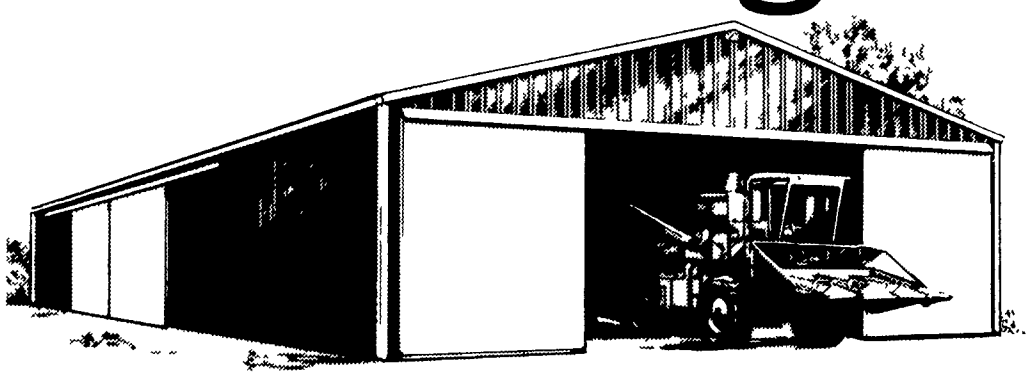
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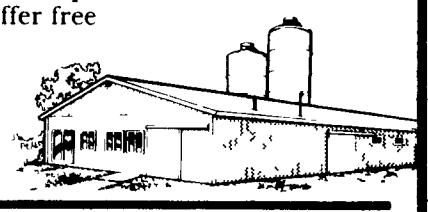
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# Angus Steer Tops Hunterdon 4-H Beef Club Achievement Show

The Hunterdon County 4-H Beef Clubs held their Annual Achievement Show Thursday, July 31. Kirk Fisher of Oley, Pennsylvania judged and placed the 23 entries.

Fisher picked an Angus steer shown by Jill Kostak of Flemington for the grand champion steer. Reserve champion steer honors went to Jenny Higgins of Princeton with her Charolais steer.

The grand champion heifer was an Angus heifer belonging to Scott Hill of Ringoes. C.G. Higgins' Charolais heifer won the reserve grand champion.

In the Hereford division, Kelly O'Brien of Annandale had the champion Hereford heifer. Jenny Reighard of Cranbury received the reserve champion Hereford Heifer. In the Hereford steer classes, David Hasselbrook of Stanton Station received champion Hereford steer and Kelly O'Brien followed with reserve champion Hereford steer.

Jill Kostak won champion Angus steer and Scott Hill won reserve champion Angus steer. Hill also won champion Angus heifer honors.

The champion Charolais steer was shown by Jenny Higgins with C.G. Higgins receiving reserve champion Charolais steer. In the Charolais heifer classes, C.G. Higgins won champion and Jenny Higgins received reserve champion.

In the beginner fitting class, Denise Scherer of Belle Mead placed first and Jenny Higgins was second. Jim Scherer won first in the intermediate fitting division and Peter Scherer placed second. Third place went to Kelly O'Brien. David Hasselbrook was first in senior fitting, C.G. Higgins second, and Kenneth Panacek of Quakertown, third.

First place honors in beginner showmanship went to Jenny Higgins with Denise Scherer placing second. Kelly O'Brien was first in intermediate showmanship, and Scott Hill placed second. Jill Kostak received third. In senior showmanship, Scott Shepard of Milford placed first, C.G. Higgins, second, and Kenneth Panacek took third.

## Greenhouse School Scheduled

YORK – Penn State Extension is sponsoring a Greenhouse School for interested new and established growers and greenhouse employees. Starting on Wednesday, September 10 at 1 p.m., classes will occur weekly for seven weeks at the Lancaster County Farm and Home Center, Lancaster. A registration fee of $20 will include cost of reference materials. Registration is required. Contact the York County Extension Service, 112 Pleasant Acres Rd., York, PA 17042.

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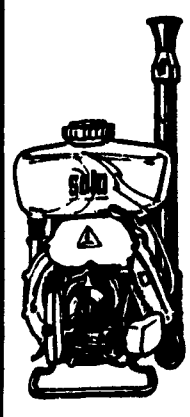

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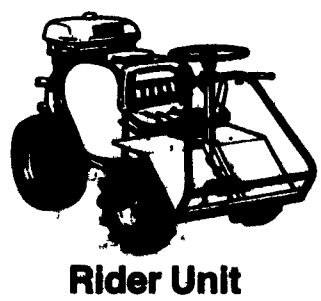

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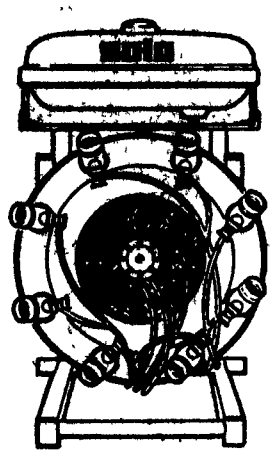

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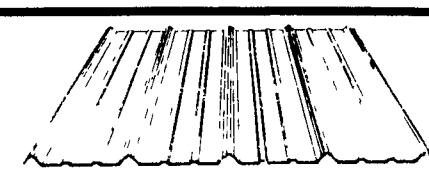

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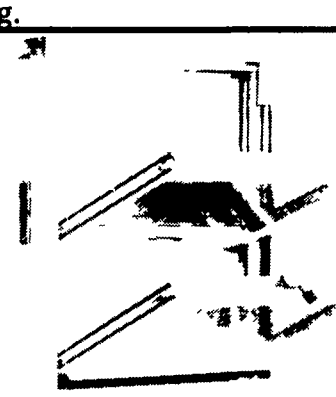

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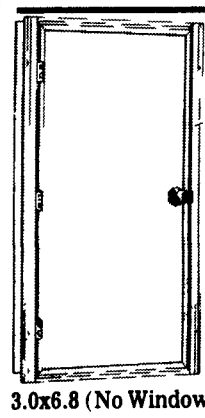

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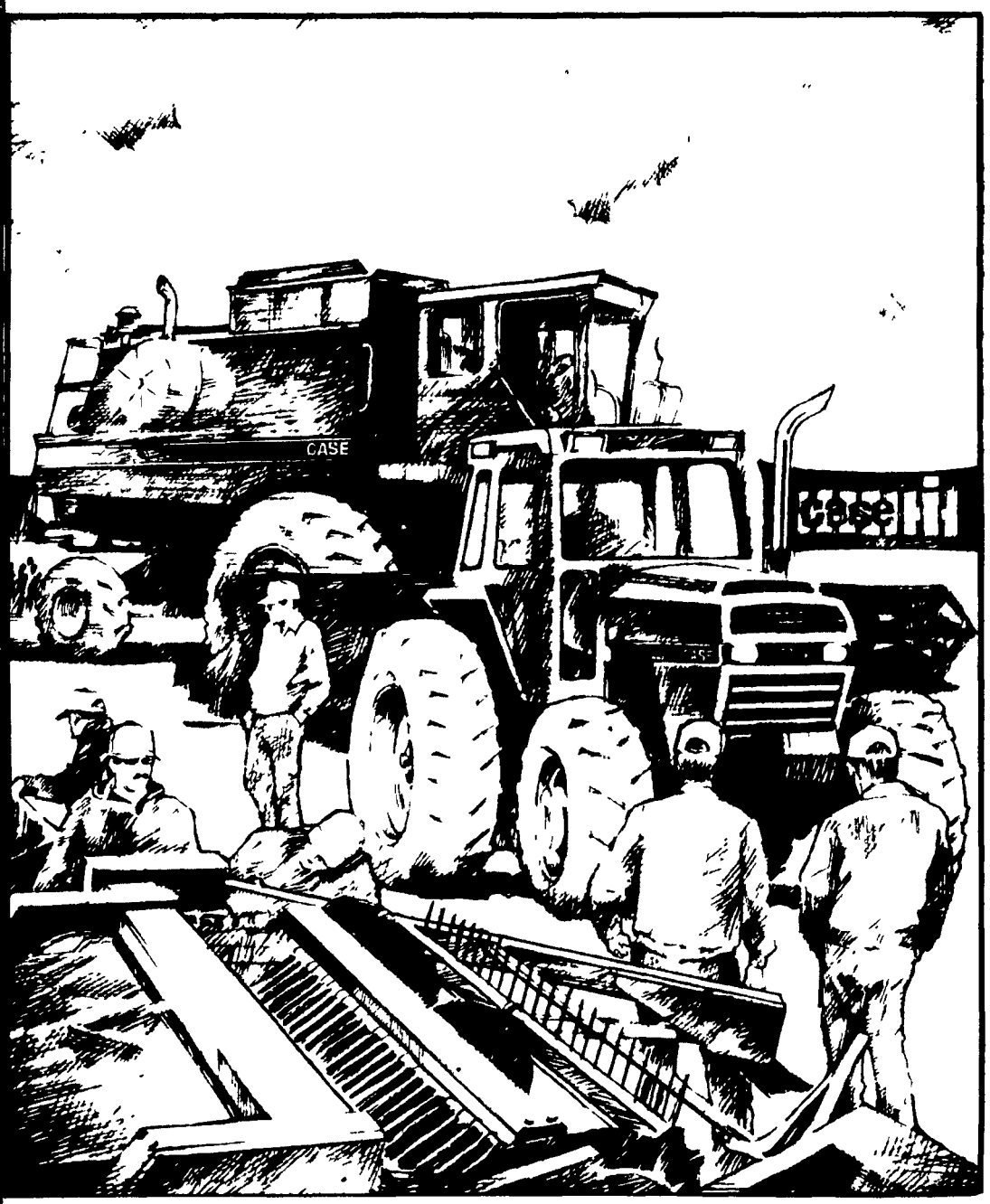


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# We got it.

# Out With The Chickens, In With The Sheep

## *This Enterprising Virginian Turns Old Poultry Houses Into Profitable Confinement Lamb Operations*

BY JULIE GOCHENOUR
Virginia Correspondent

BROADWAY, VA. – Several years ago when the price of fat lambs would drop anywhere from 52 cents to 49 cents a pound or lower in the summer and early fall, Bob Grace began trying to figure out how he could raise lambs competitively at those prices.

"Everything I could learn kept telling me there is a better way to raise these lambs— less expensively and with less deathloss. I started getting a lot of publications, a lot of studies from a variety of universities, and what kept coming out was 'Confine them!'"

Confinement made sense to Bob, a long time poultry grower as well as a sheep producer. "Get them where they can't run around and lose weight so when they gain a pound you don't loose it running down the hill after a drink of water and then back up to the top of the hill to sleep and eat," he summarizes. And that was the beginning of Bob Grace's plans to convert old poultry houses into confinement facilities.

He started right on his own farm, converting a poultry house that held chickens up until two years ago. Built in the 1960s, the house had become obsolete over the years and just wasn't as profitable as the farmer would have liked it to be. "I wasn't competitive with the new, modern, better insulated, more efficiently heated houses," Bob confesses. "I would have had to spend a lot of money to make this house competitive, so I looked at alternatives."

The search for alternatives coincided with his findings on raising lambs in confinement. "With lambs I don't have to heat the house, I use very little electricity, and my overhead costs are way down," he notes. "We can probably have 1,200 lambs under a roof at one time and when they leave the building, they're on a truck going to the packing plant."

The producer is sold on raising lambs in confinement and can list the reasons why. "Confinement helps reduce mortality by making it easy to observe lambs closely on a daily basis," he says. "It lets me regulate feed intake, realize how much is going in, and lets me buy feed at the best possible prices because I know what my needs are going to be," Grace continues. "And it allows me to grow a good, healthy lamb."

It also allows the lamb to convert feed to the best of it's ability, he reports. "I can control the feeding end and the lambs environment, but I can only make that lamb do the best he can do—and what confinement does is give him that chance. With feeder lambs, you have to buy what's available but then you can control where they live and what they eat and that helps me keep my prices where they are competitive."

Lambs in confinement are raised where it's cooler, they gain weight better and convert feed more efficiently, Grace admits, but he cautions that sheep simply can't carry a large debt and a confinement operation should also be economical. Converting an old chicken house, Bob believes, satisfies both criteria.

After experimenting in a smaller poultry house where he raised 600 lambs in two years, Bob took what he learned there and remodeled the 23-year-old 40-by-450-foot broiler house for lambs. His conversion has attracted attention nationwide, including visits from *Feedlot* magazine and *Farm Journal*. It's main characteristics, however, are simply functional, economical and efficient, the producer explains.

"I tried raising lambs in a big open space and I found that doesn't work," he adds, pointing out the chicken house is divided into two 40-by-225 sections which each have a system of several pens. "You need pens, you need to be able to control the lambs, and you need to be able to see them more often."

Besides plenty of pens, Bob approached his conversion project with a list of other things he had learned were either necessary for reason of health or convenience when raising lambs in confinement. First among these was good ventilation, a must, he insists. Grace tore the front section off of the building to open the side up and provide cross ventilation.

He also installed the pens with lag bolts instead of nails, and, with a ratchet wrench, can take it completely apart in one day — allowing him to modify the design whenever he wants. Currently, 30-by-40 pen has four gates and a runway travels the length of one long wall with access to every pen.

The pens are essential to Bob's management program since he didn't want big, open spaces where the sheep could "run like crazy" from one end of the building to the other. "I wanted to restrict their movement; I wanted to be able to see, with very little effort on my part, every sheep at least twice a day," he elaborates. So each pen contains a feeding station, a feeder for mineral supplements and a waterer.

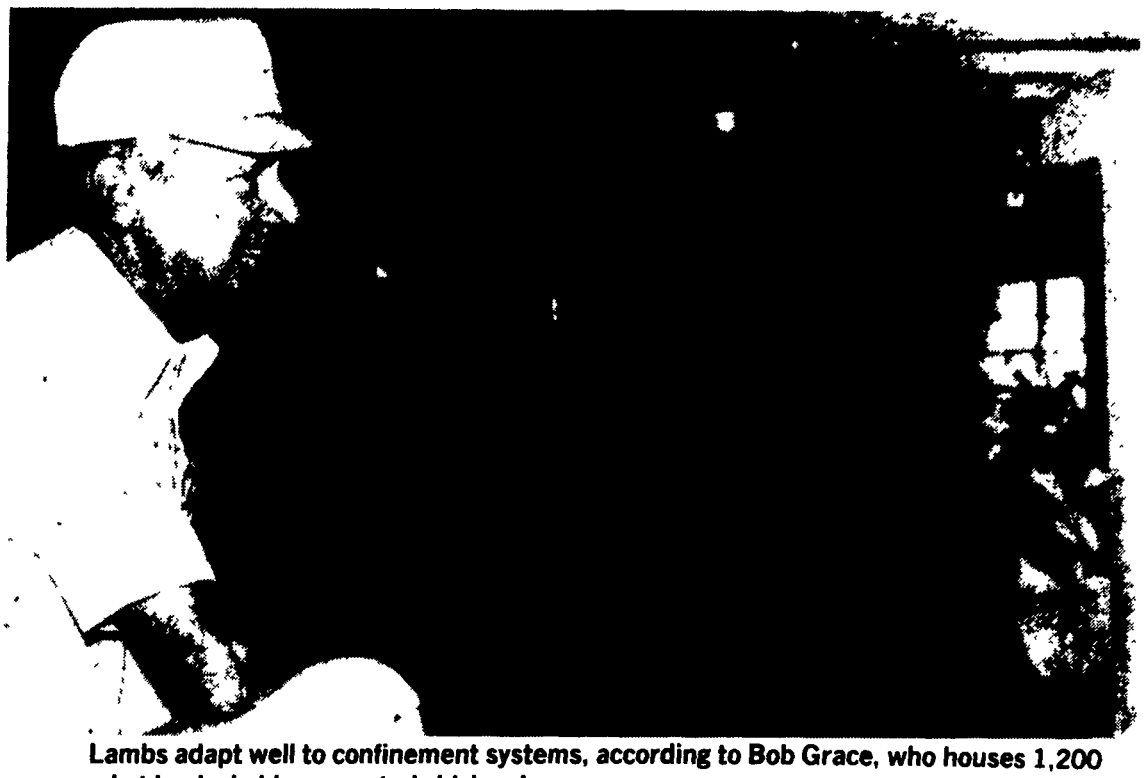
"The way this building is designed, you can walk down through here cleaning the fountains and when you get down to the far end, you can walk back up the runway having seen each pen from two sides. This lets you spot a sheep when they don't look just eight. If they were all running, that sheep would probably run with the group. This way they can't bunch up and I can spot a sheep that just doesn't look bright eyes and bushy-tailed," Grace says.

"One of the things that has been discussed a lot has been how many sheep you can have per square foot," he continues, referring to the different figures on density. "I'll be the first to admit that question hasn't been fully answered, but I did not want to go any less than 12 square feet per animal of available floor space, discounting the feeder and waterer sitting there."

"Now when I first bring them in this house, I give them almost 20 square feet so any lamb that's not pushy for his food won't find it hard to feed and learn the waterers. I've tried it in denser populations, but I've found that 20 feet makes a nice easy start for them the first four or five days."

Lower densities not only improve management in a confinement operation, but they also create a better environment for the sheep—litter in the pens is dust dry and trampled fine, thanks in part to lower densities and Bob's feeding program. "It's a five-step program from Southern States that uses very little hay. The pens stay drier, the lambs acclimate to it very quickly and the only hay they get is the first two or three days they're here," he explains.

In just two weeks the lambs are on a full ration that includes barley instead of corn. "I use barley because it's economical, it's available, it does a good job and because a lot of my equipment is old poultry equipment and it handles barley much better than it handles high moisture corn," he relates. "The feed is designed to finish a lamb as quickly and economically as it's possible to do."



Lambs adapt well to confinement systems, according to Bob Grace, who houses 1,200 market lambs in his converted chicken house.

Economics is the name of the game, Grace contends, and his converted confinement operations includes many effective yet low cost features besides old poultry equipment. "I'm not too sure exactly how it came about," he laughs, "Except that I was visiting a plumber friend of mine and he had some old bathroom sinks. It seemed to me like if I could put these sinks in each pen and have a good permanent float arrangement, they would be easy to clean because they're porcelain.

"So I got one and played around with the heights and found that two concrete blocks sitting underneath was the perfect height for a fountain," he continues. A visit to the same plumber friend also provided Bob with 13 old commodes which he uses as feeders for mineral supplements—and which are virtually indestructible he adds—and the sheep take their rations from old range turkey feeders also sitting on concrete blocks.

Like his old poultry house, the feeders and fountains may not be the most elegant equipment, but they're effective and economical, Grace says, and that's what's important. Because effective and economical add up to mean profitable.

# Ag Progress Days

## *Mini-lectures*

As part of this year's Ag Progress celebration, a series of mini-lectures will be held from 10:30 a.m. to 3 p.m. on all three days, in the Forum Building on West 8th Street. Following the lectures, experts will be available to answer questions in the "Ask the Specialist tent located next to the Forum Building, in the Forage Contest tent on West 11th Street, or in the Dairy and Livestock tent on West 12th Street.

**Tuesday**

10:30 a.m.- Jane Marhefka, "Microwave Veggies for Taste and Health"
11:00 a.m.- James Lynch, "Acid Rain Research"
11:30 a.m.- 4-H Project Demonstrations
12:30 p.m.- Jane Marhefka, "Microwave Veggies for Taste and Health"
1:30 p.m.- Michael Orzolek, "Gourmet and Specialty Vegetables"
2:00 p.m.- Dennis Calvin, "Uses of Artificial Intelligence in Agriculture"
2:30 p.m.- William Sharpe, "Rural Drinking Water Quality"
3:00 p.m.- Douglas Beegle, "Nutrient Management"

**Wednesday**

10:30 a.m.- Kathryn Hostetler, "Microwave Veggies for Taste and Health"
11:00 a.m.- A.L. Turgeon, "Contemporary Agronomy"
11:30 a.m.- Sidney Barnard, "Handling Dairy Products in Schools and Restaurants"
12 noon- Kathryn Hostetler, "Microwave Veggies for Taste and Health"
12:30 p.m.- 4-H Project Demonstrations
1:30 p.m.- Peter Ferretti, "Gourmet and Specialty Vegetables"
2:00 p.m.- James Grace, "Pennsylvania–Year of the Forest"
2:30 p.m.- Joseph McGahen, "Cropping Systems"
3:00 p.m.- Gary Petersen, "Land Resource Assessment"

**Thursday**

10:30 a.m.- Stanford Lembeck, "Agricultural Preservation"
11:00 a.m.- Robert Fortney, "Dry Flower Uses"
11:30 a.m.- William Henning, "Benefits of Red Meats"
12 noon- Amy Walters, "Microwave Veggies for Taste and Health"
12:20 p.m.- Richard Yahner, "Forest Management for Wildlife"
1:00 p.m.- Robert Nuss, "Ground Cover Possibilities"
1:30 p.m.- 4-H Project Demonstrations
2:30 p.m.- William Sharpe, "Rural Drinking Water Quality"
3:00 p.m.- Amy Walters, "Microwave Veggies for Taste and Health"

# AG PROGRESS DAYS

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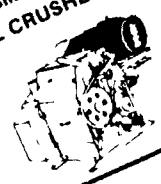

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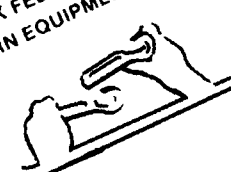

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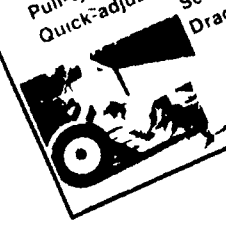

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# Penn State Dean Visits Region

TROY — Farmers are facing new challenges similar to those faced by the steel and coal industries over the past two decades, Dr. Lamartine F. Hood said today. Dr. Hood, Dean of Penn State's College of Agriculture, spoke before a crowd of about 65 invited guests at the Troy Fairgrounds.

Dr. Hood's duties as Dean include the additional posts of Director of the Cooperative Extension Service and Director of the Agricultural Experiment Station.

Change is always difficult to comprehend and the adjustments are usually painful," said Dr. Hood. "Agriculture in the United States and in Pennsylvania is experiencing some of these changes today and the situation is getting the attention of our leaders and the media.

The problem this time is not just foreign competition," said Dr. Hood. "It is more complex and involves the world economy, falling land prices, interest rates and the national deficit, shifting markets, surpluses, tight budgets, and even changes in the nutritional habits of the nation.

Dr. Hood pointed out that agriculture in Pennsylvania, like across the country, is under financial pressure. Pennsylvania farmers are, however, in a better fiscal position than many of their counterparts in other parts of the United States. They have a lower debt/asset ratio than the national average and a smaller percentage of farmers have very high debt loads.

Dr. Hood added that one reason we are better off is the kind of cooperative effort we have among volunteers, county commissioners, legislators and Penn State and its extension staff.

"Public investment in science, research, extension and education must be continued," he said. "It will take all of these elements to ensure the future food supply of Pennsylvania and the nation." Dr. Hood stressed the importance of state funding to research and extension programs in the state.

"We cannot afford to be shortsighted because we are well fed today or because some of our farmers have overextended themselves. We will continue to need the agricultural system and good people to work the land to ensure the nation's productivity," he said.

"Our productivity capacity is directly related to a system of advanced science and technology along with an extension system to disseminate this information in a useful and practical manner. No other nation has made this commitment, and no other nation can compare with our ability to produce food and fiber.

The guests at Dr. Hood's presentation represented business leaders, farmers, bankers, legislators, county commissioners and community leaders from Bradford, Tioga, Sullivan, Susquehanna and Wyoming counties. Before the evening program, he toured the region.

This was the second of a series of regional visits by Dr. Hood, who was appointed Dean in March. He was formerly Director of the New York State Agricultural Experiment Station at Geneva, a part of Cornell University.


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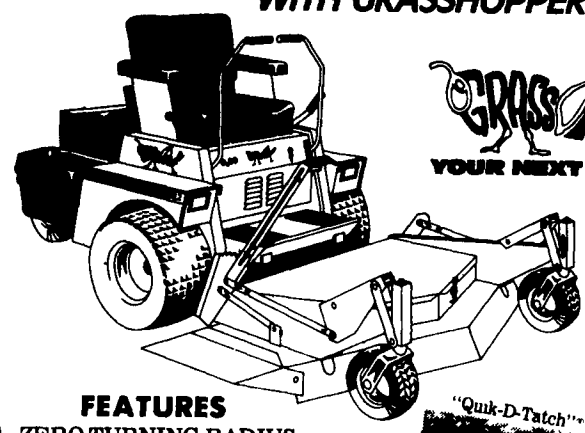


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# Wild Relative Of Corn Could Become New Grain Crop

Chester L. Dewald examines stalks of a variant of eastern gamagrass which produces seed from both male and female parts in a test plot near Woodward, Okla. A wild relative of corn, it could offer farmers a new grain crop.

WASHINGTON – A wild relative of corn called eastern gamagrass has undergone a sex change that could offer farmers a new grain crop, a U.S. Department of Agriculture scientist said today.

In one variant of the gamagrass, which grows in the southeastern states and Mexico, male flowers have turned female and started doing what female flowers do best—producing seed.

"Our research shows that with both the male and female parts producing seed, production on each seed head has increased by about 2,500 percent," said Chester L. Dewald, an agronomist with the USDA's Agricultural Research Service in Woodward, Okla.

Dewald said that because eastern gamagrass seeds have protein—even more than corn—it could become a nutritious grain crop for livestock and people.

"We have a long way to go before we finish breeding the grass to benefit humans and animals, but it can definitely be done," he said.

After Dewald realized the potential for corn's wild cousin, he began a breeding program that already has yielded crop lines that produce twice as much seed as the original variant.

The variant, whose stalk and leaves resemble those of corn, originally showed up in a nursery at the Plant Materials Center of USDA's Soil Conservation Service in Manhattan, Kan. Robert Dayton, who was manager of the center at the time, had planted what he thought were normal eastern gamagrass seeds.

When the plants grew, he recognized that one of them was different from the rest and contacted Dewald at the Southern Plains Range Research Station in Woodward.

Dewald later found the variant growing in the wild in Ottawa County, Kan.

Gamagrass's sexual change, he said, probably resulted from a sudden mutation—the replacement of one gene or group of genes for another.

"We think the mutation is a throwback to when all flowers on the plant performed both functions," he said. "The gene or genes that ordered all parts to do both jobs had been lying dormant for years and just began controlling the plant again."

Dewald said the discovery may offer clues as to how corn evolved. "Close relatives often undergo similar mutations, so perhaps this indicates that corn changed into a prolific grain producer in one step—with one mutation," he said.

Dewald and other experts on plant evolution around the country are doing studies now to determine whether corn underwent the same sex change that its wild relative has.


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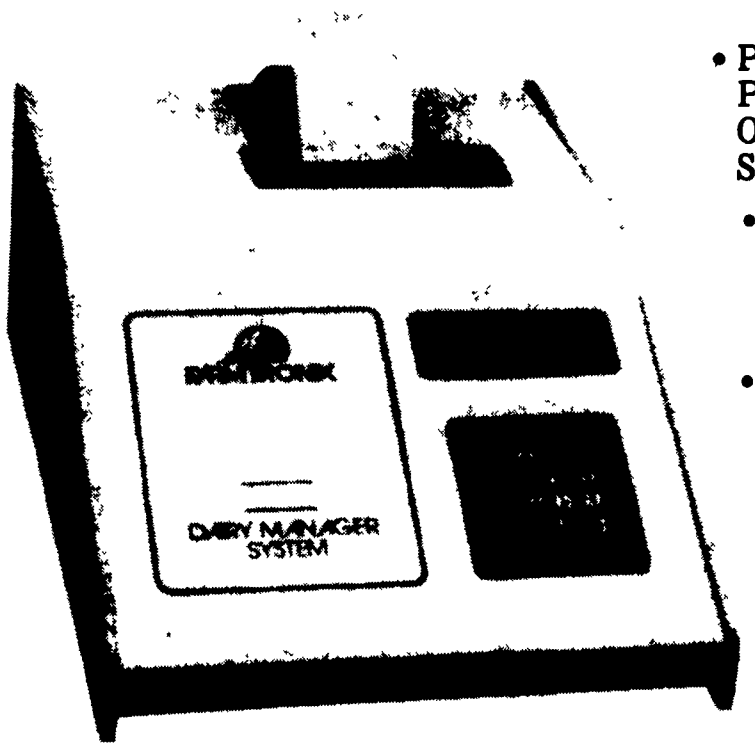

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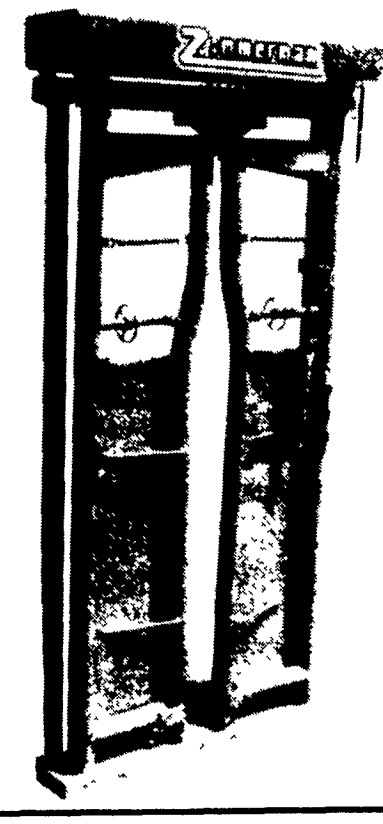

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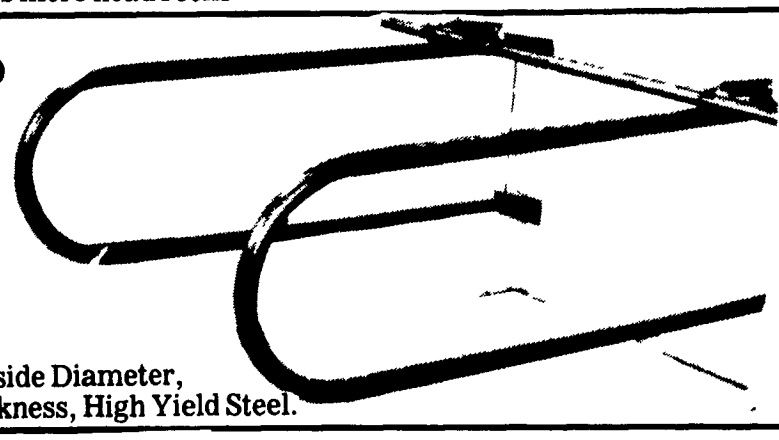

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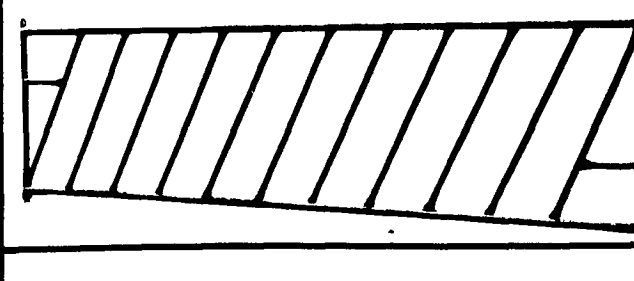

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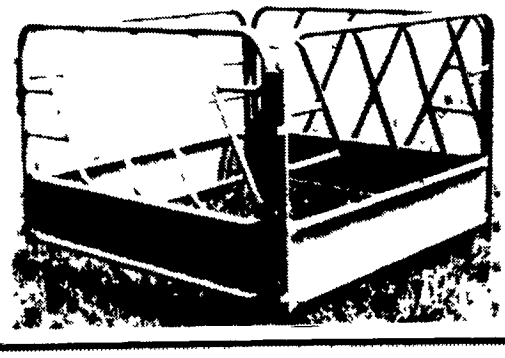

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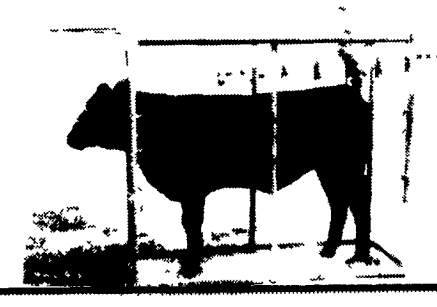

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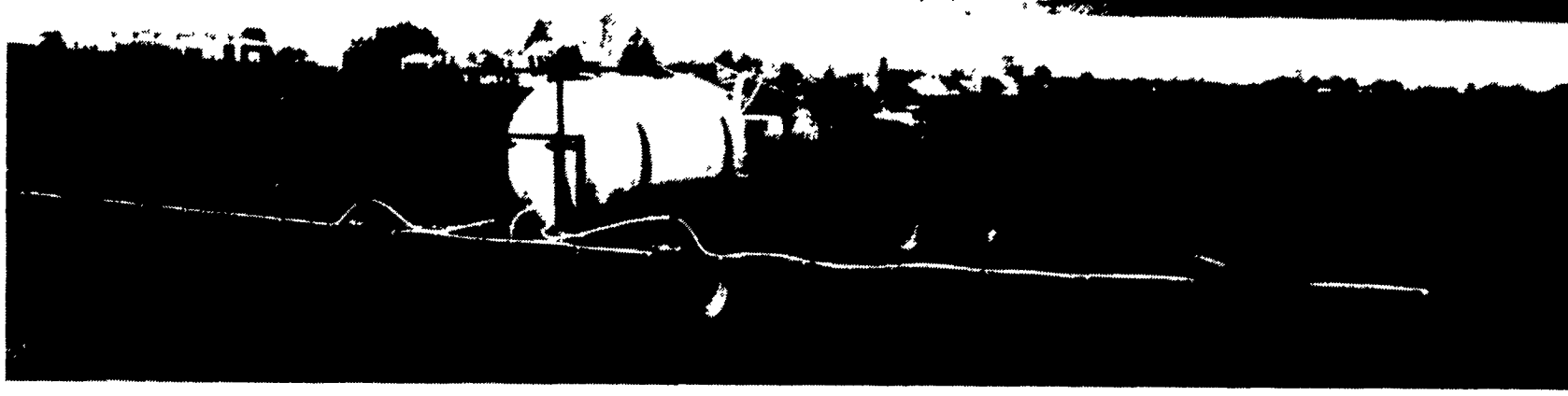

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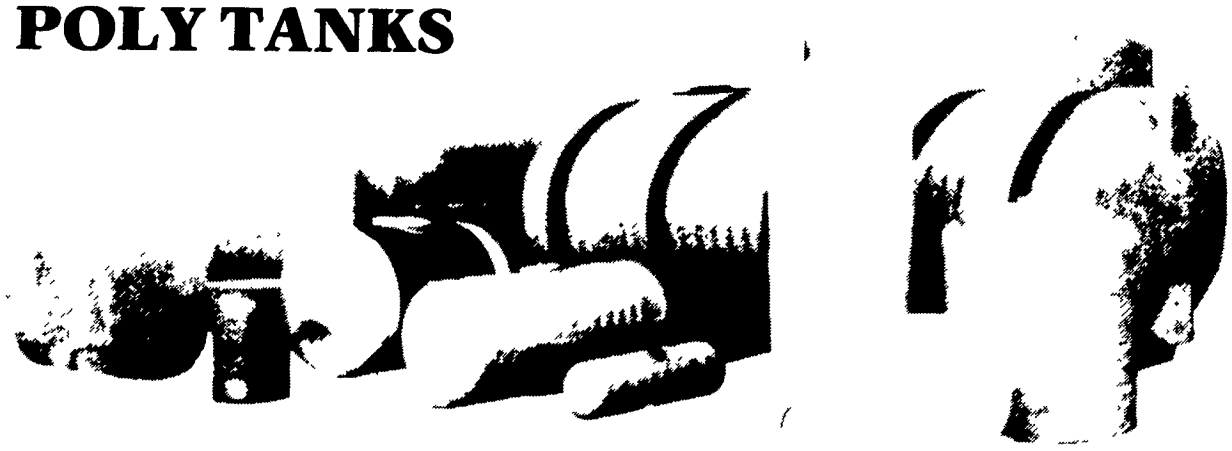

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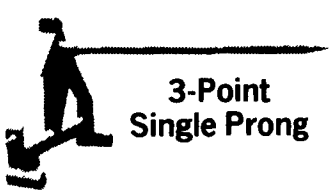

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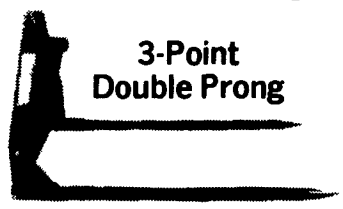

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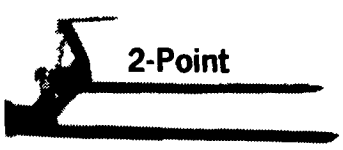

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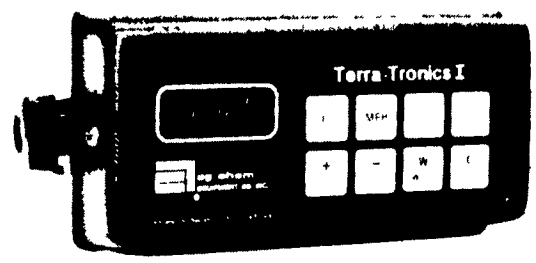


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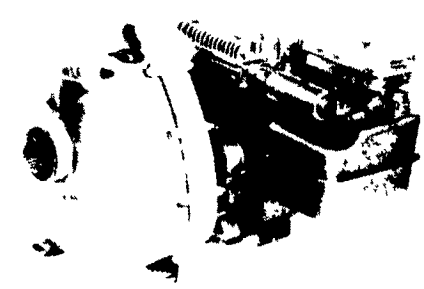

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# Peace And Plenty Farm Carries Stamp Of Approval

BY SHARON B. SCHUSTER
Maryland Correspondent

UNION BRIDGE, Md. – Some might say that Joe and Nona Schwartzbeck's Peace and Plenty Farm is a "picture book operation." And, that's pretty close to the truth. The Schwartzbecks' farm was selected from thousands of other dairies to be featured in an informative book with an accompanying filmstrip as part of a series called **People On The Farm.** It was the first in the 1977 series of presentations published by the U.S. Department of Agriculture designed to "take a detailed look at different types of modern farming in the United States."

A look at Peace and Plenty Farm 10 years after the publication was issued reveals the savvy that Schwartzbeck has implemented to keep the family business modern and progressive. He and his family milk 122 cows in the double-four herringbone parlor that he designed and built himself. "It's a one man set-up," he explained. "That way the cows come to you." His herd averages 18,133 pounds of milk with 679 pounds of fat.

The parlor is just one example of Schwartzbeck's ingenuity. He said he likes to think of new ideas and improvements upon the old, during the morning hours that he milks. The many improvements that he has made since moving to the farm in 1969 are evident upon inspection of the facilities. Schwartzbeck said he also does a lot of "windshield farming" to get ideas to bring back home.

The "first herd" spends the day in the loafing barn. Their feed bunker is kept full of a corn silage, haylage and soybean ration that contains 250 pounds of water. "Each cow gets about five pounds of roasted beans," said Schwartzbeck. He employs the aid of a nutritionalist to determine just the right amount of feed for each cow. The lot of the loafing barn is enclosed by a pipe rail fence that allows manure to be scraped off and pushed into the pit in front of it. The lot affords a view of the other areas that provide shelter for the over 300 animals on the farm.

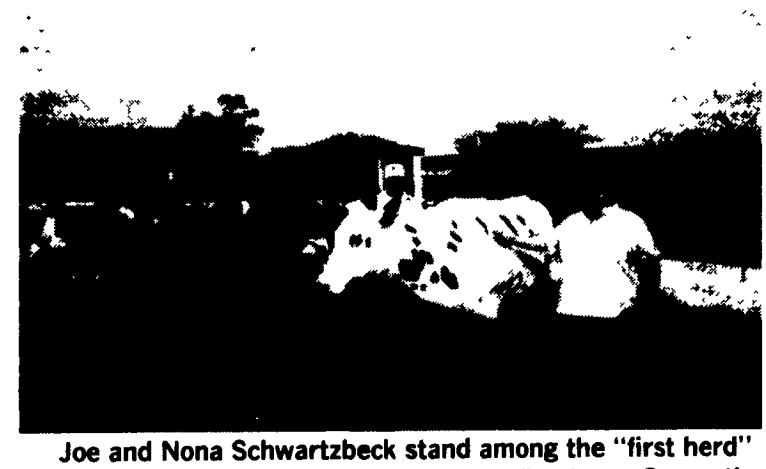
On a lower plane directly in front of the loafing barn stands the "lower barn," which houses dry cows, and the "far barn" where Nona looks after the heifers that she has weaned from the hutches.

The view from the lot also encompasses the area next to the loafing barn which shelters the "adolescents," which are ready to breed. Schwartzbeck uses several methods of settling cows, including AI, Embryo Transplants and a bull. "We've got quite a few heifers carrying ET's," said Schwartzbeck. "We've got them fresh with the second calf now." He said that using ET's allows "a chance to use a superior cow and superior bull."

Still more animals enjoy the comfort of the barn that Schwartzbeck modified when he built the parlor. He converted a 60-cow stanchion barn into a loafing and box stall barn to house older cows and heifers that have just freshened. Among the occupants is Bessie, a 12 year old with a lifetime record of 195,000 pounds of milk who had just calved. "She loves it in here," said Schwartzbeck.

Considering all the angles, Schwartzbeck added a two foot tall retaining wall around the inside perimeter to act as a buffer for the loader bucket. The barn also contains a headgate; one of two that he has designed.

Using scrap materials, Schwartzbeck constructed the headgate with a bigger opening so that the cows would go through more easily.



Joe and Nona Schwartzbeck stand among the "first herd" or the cows that spend the day in the loafing barn. Currently their 122 cows have a rolling herd average of 18,133 pounds of milk and 679 pounds of fat.

The pasture adjacent to the barn carries a swale which takes run-off from the milking parlor to a small pit that catches it. "It was running toward the creek all the time," explained Schwartzbeck of the waste.

Since the USDA feature, his sons, Gus and Shane, have grown to shoulder hefty responsibilities, working right alongside their experienced father, and under the watchful eye of their mother.

Shane, 17, attends Francis Scott Key High School. "He's head mechanic," said his mother of the youngest son.

Gus, 20, said he does "a little bit of everything," around the farm. With 15 animals of his own, Gus is kept busy with attending shows, field work and his regular afternoon milking shift. "The boys ran the farm while we were in Wisconsin," said their father proudly.

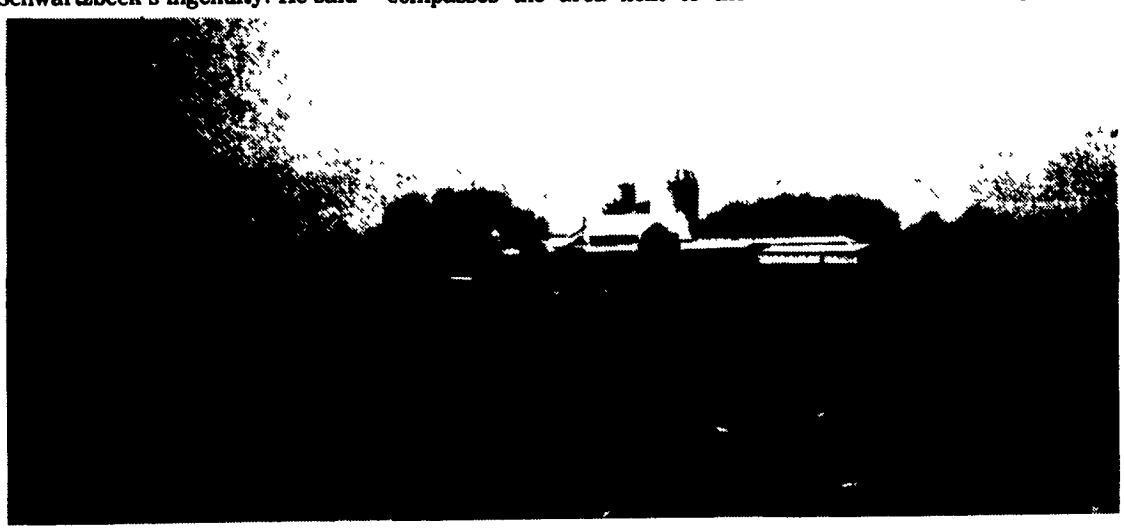
As president of the Maryland Holstein Association, Joe was one of five state delegates chosen to represent Maryland at the Holstein Convention. He expects that his sons will continue the business that he has worked diligently to build and continually improve.

The boys acquired the love of farming early on. Shane will travel to Connecticut in the fall as a member of the second-place FFA dairy judging team. He attended the Wills Fair where he captured the title of Junior Champion, and he will compete in the county and state fairs.

Gus' summer yearling will be going to New York in August to compete in the Championship Show. In 1984 he was honored as reserve All-Maryland, Reserve All-Maryland Senior Calf, and Junior All-Maryland 2 year old and 3 year old. Gus has also shown the Junior Champion in the Maryland Spring Show for the past two years. "We've been very lucky," said their father. "Competition is rough in Maryland. The shows keep them interested."

With the whole family pitching in, the Schwartzbecks have planted 295 acres of corn, 83 acres of alfalfa, 60 of wheat and 77 of timothy. Even with drought conditions, his corn looks good. "The best corn I've got I disked in liquid manure," said Schwartzbeck. "It's shoulder high now." And that's compared to the field up the road about a mile that

(Turn to Page D30)



Peace and Plenty Farm, owned by Joe and Nona Schwartzbeck, is located near Union Bridge, Md.

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# Harvey Shows Bucks-Montgomery Swine Show Champion

QUAKERTOWN – John Harvey, a first year 4-H member from Pipersville, showed the grand champion hog at the annual Bucks-Mont 4-H Swine Show and Sale held recently at the Quakertown Livestock Auction. Harvey's 235-pound pig was purchased by Hatfield Packing for $3.50 per pound.

Jeremy Ruth of Telford, also a first year member, had the reserve grand champion hog. Hatfield Packing paid $2.40 per pound for the 235-pound pig.

In all, 26 4-H members from the two counties showed 81 pigs.

Other winners were: the Montgomery County champion, shown by Dan Cochran of Trappe. Leidy's Inc. of Souderton paid $2 per pound for the 255-pound pig. Shawn Mentzer of Phoenixsville had the reserve Montgomery County champion. It was bought by Southeast Farm Credit of Silverdale for $1.35 per pound.

Dan Cochran also showed the champion pen of three and Willi Harvey of Pipersville had the reserve champion pen. Leidy's paid 70 cents per pound for Cochran's pen and Moyer & Son, Souderton bought Harvey's pen for 75 cents per pound.

In the fitting and showmanship competition, Julie Leatherman of Bedminster was crowned grand champion and Dan Cochran was judged the reserve champion.

Other buyers at the sale included George's Foodliner, Bethlehem; Landis Supermarket, Telford; Farm Bureau, Souderton; Frank Fillippo, Norristown; John Scholl, Perkasie; William Young, Schwenksville and Timothy Ruth, Pineville. The judge was Ted Teaford, Germansville.

Overall, the sale averaged 86 cents per pound.

Results from the show follow.

John Harvey, Pipersville, is shown with his 235-pound grand champion hog at the Bucks-Montgomery 4-H Swine Show and Sale held recently at the Quakertown Livestock Auction. With John is Doug Clemens of Hatfield Packing who bought the pig for $3.50 per pound.

**Class 1 - Hogs 200-205 lbs**
1 Ed Roll 2 Robert Roll 3 Bob Engle

**Class 2 Hogs 220-225 lbs**
1 Rich Troxel 2 Billy Scott 3 Karl Bromm

**Class 3 Hogs 235-240 lbs**
1 John Harvey 2 Jeremy Ruth 3 Shawn Mentzer

**Class 4 Hogs 245-270 lbs**
1 Dan Cochran 2 Will Harvey Jane Landis

**Lightweight Pen of Three**
1 Bill Scott 2 Lauren Bergey 3 Rick Troxel

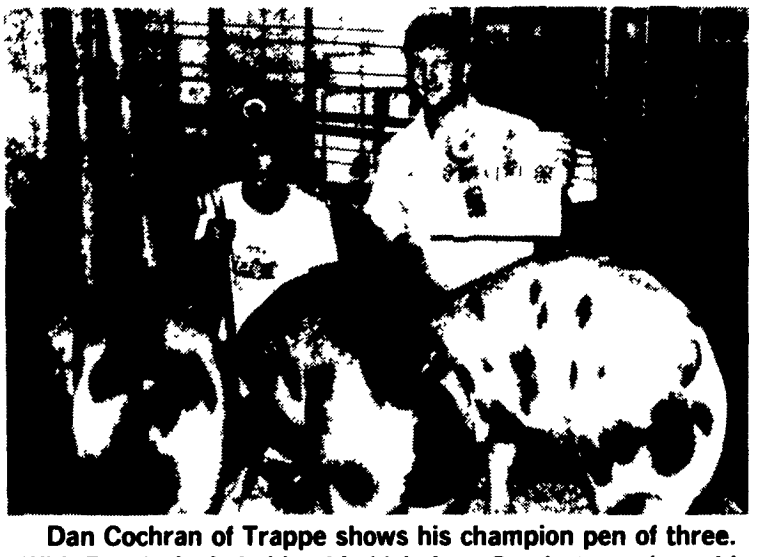
**Heavyweight Pen of Three**
1 Dan Cochran 2 Willi Harvey 3 Shawn Mentzer

**Fitting and Showmanship- Class 1**
1 Mike Garis 2 Karl Bromm 3 Bill Scott

**Fitting and Showmanship- Class 2**
1 Dan Cochran 2 John Mentzer 3 Kacy Fisher

**Fitting and Showmanship- Class 3**
1 Julie Leatherman 2 Katherine Engle 3 Jennifer Wiley

**Fitting and Showmanship- Class 4**
1 Jeremy Ruth 2 Geoff Harvey 3 Andy Kumpf



Dan Cochran of Trappe shows his champion pen of three. With Dan is Andy Leidy of Leidy's Inc., Souderton, who paid 70 cents per pound for the pigs.

Jeremy Ruth, Telford, is shown with his 235-pound reserve grand champion hog. With Jeremy is Doug Clemens of Hatfield Packing who bought the hog for $2.40 per pound.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**Date Planning To Build** _____

# Schwartzbeck Farm

(Continued from Page D28)

is about knee high, brown and curled. "We're waiting for things to get better," he added.

Three silos overshadow the complex of buildings on the farm. Their 30-by-80 silo holds 1,500 tons of corn silage. "That's what breaks your heart," said Schwartzbeck. "I'll bet it will take 250 acres to fill it." The two "little teenie ones," as he referred to the smaller 14-by-50 and 18-by-70 silos, hold silage and haylage. Last year, on 52 acres Schwartzbeck made 4,900 bales of hay. On that same piece of ground, he has put 1,722 bales in the mow this year. He also makes round bales which are stored under roof to minimize waste.

With seven tractors operated mainly by his sons, the boss said, "I love the self-propelled haybine, but I never get to run it. I like working with cows."

The successful dairyman advised, "I think if a guy really wants to start, he's got to have a little luck and a good partner." Schwartzbeck credits his wife as being that partner. "She pays the bills, keeps the books, and even reads my mail for me."

Nona is no stranger to the barn lot or the parlor, and she is equally proficient in keeping the paperwork in order.

In 1981, she was featured on a television documentary entitled, "Every Woman," which highlighted women in agriculture. She even finds time to keep a greenhouse full of plants off the side of the office.

Her touch is seen in front of the sliding glass doors which lead to the office area, where she planted red geraniums. In front of the converted stanchion barn she established a rose garden for the enjoyment of man and beast alike. The dairying theme spills over into the kitchen where Nona has displayed numerous dairy collectibles.

Gus Schwartzbeck unloads a grain ration for the yearling herd. They also receive free choice hay.

The big picture all comes together with a scan of the office walls. Numerous trophies, photographs and clippings tell the saga of the Schwartzbecks' climb to the top. The farm was featured on the cover of the June 25, 1985 **Hoard's Dairyman**, and a copy of it hangs unassumingly near the back corner of the office.

One of the most interesting items in the showcase is a model of an Ideal Jersey Cow that Joe Schwartzbeck won when he was a 4-H member. "I won that for fitting and showing," he said. And that was to be the start of something big. "These cows have done a lot for us," he acknowledged. And he has done a lot to see that Peace and Plenty Farm remains an example of modern and progressive dairy farming that carries Uncle Sam's stamp of approval.

# McCoy Simmentals

(Continued from Page D5)

up bull," says John. As an AI technician, John does all the inseminating.

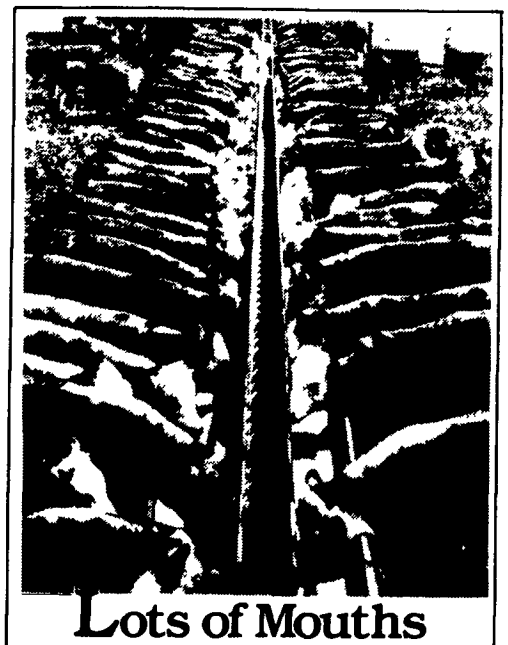
Their purebred herd was begun in 1976 with seven animals purchased in San Antonio, Texas. Heifer replacements were kept from those original seven. The McCoys like the Simmental quite well and feel the breed has done well from the start, for them.

They also love farming and enthusiastically respond "Yes!" to the question of whether they'd like to leave outside jobs behind altogether and simply farm fulltime.

However, "...there's no security in income, in farming," John responds, though that fact doesn't appear to diminish his or his wife's overall attitude toward the profession.

"We live it," sums up Sherri McCoy.

"As purebred breeders, we set our own price," adds John. With commercial breeders usually at the mercy of a stockyard price, this freedom seems to be the key to a successful part-time operation, when it's managed well.

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SECTION 1 Page 1

**Dairy Metro**

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# Quality Wheat Named

BY YONG H. KIM
Public Relations Dept.,
Cornell University

ITHACA, N.Y. — Just as athletes strive to improve their performance, plant scientists never stop trying to make their crop varieties better with superior characteristics.

A new wheat capable of yielding more grain than all the leading varieites grown in New York State is about to make its debut, with adequate seed supplies expected in time for the wheat season that begins this fall.

Named "Geneva," after the city of the same name in the heart of New York's picturesque Finger Lakes region, the new wheat is a product of more than two decades of work by two Cornell University scientists.

In addition to its exceptional yield capacity, Geneva stands out in terms of milling and baking qualities. That's good news for farmers, the milling and baking industries, and consumers, according to one of its developers, Mark E. Sorrells in the New York State College of Agriculture and Life Sciences at Cornell.

Like other varieties grown in New York, Geneva is a type called "soft white winter wheat," which is used for pastries— such as cookies, cakes, and crackers— and for breakfast items like shredded wheat. New York is known nationally as a major soft white wheat producing state, along with Michigan and eastern Canada. Empire State farmers normally devote some 200,000 acres to production of this type of wheat.

Bread is made from hard red wheat grown in the nation's wheat belt. Pasta such as spaghetti and macaroni require yet another kind, durum, grown mostly in North Dakota. Most of the wheat grown in the Pacific Northwest is exported to Japan and other Asian countries to be used for noodles.

Geneva is important to the millilng industry. It yields more flour per given amount of grain than other existing varieties because of its higher "test weight." The higher the test weight, the more flour.

Wheat with higher test weight does not necessarily mean higher profits for farmers. It means more demand for higher test-weight wheat, making New York growers competitive in the market, Sorrells explains.

"Higher demand results in wheat prices for New York farmers," he says.

Geneva climaxes 22 years of work by Sorrells and Neal F. Jensen, who initiated the project in 1964. When Jensen retired from Cornell in 1978, Sorrells took over the project. Jensen is well known for his superior varieties of wheat, oats, and barley for use in Northeast and elswhere in the country.

Aside from its outstanding milling and baking qualities, Geneva is the most productive variety ever developed at Cornell, where a string of 14 varieties has been developed over the past several decades.

The newest Cornell wheat has a five bushel yield advantage over other leading varieties says Sorrells. In field tests conducted over the past six years in 20 locations in central and western New York, Geneva out yielded all top varieties, such as Purcell, Houser, and Frankenmuth, by four to eight bushels per acre. Purcell and Houser are Cornell varieties; Frankenmuth is from Michigan.

"Geneva's six-year yield average is 76 bushels an acre in yield trials around the state," Sorrells reports.

In designing new crop varieties, scientists also try to squeeze in other desirable traits to make a new variety a commercial success. Vagaries of weather, for example, play a part in influencing crop yield. Strong winds or rain, storms often knock down crops making harvest impossible. To minimize such a risk, scientists try to make the plant shorter and stiffer. Geneva is a short stature wheat, comparable to other varieites in height, give or take an inch or so.

"Geneva's resistance to lodging is similar to Houser," Sorrells says. "It's better than Yorstar, Frankenmuth, and Augusta, but is poorer than Purcell and Ticonderoga."


# HOW TO MILK A KUBOTA.

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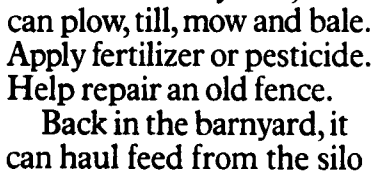

Out in the hayfield, it can plow, till, mow and bale. Apply fertilizer or pesticide. Help repair an old fence.

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So start imagining all the chores a Kubota could do around your place. There's really only one thing it won't do. Head for the barn before the work is done.

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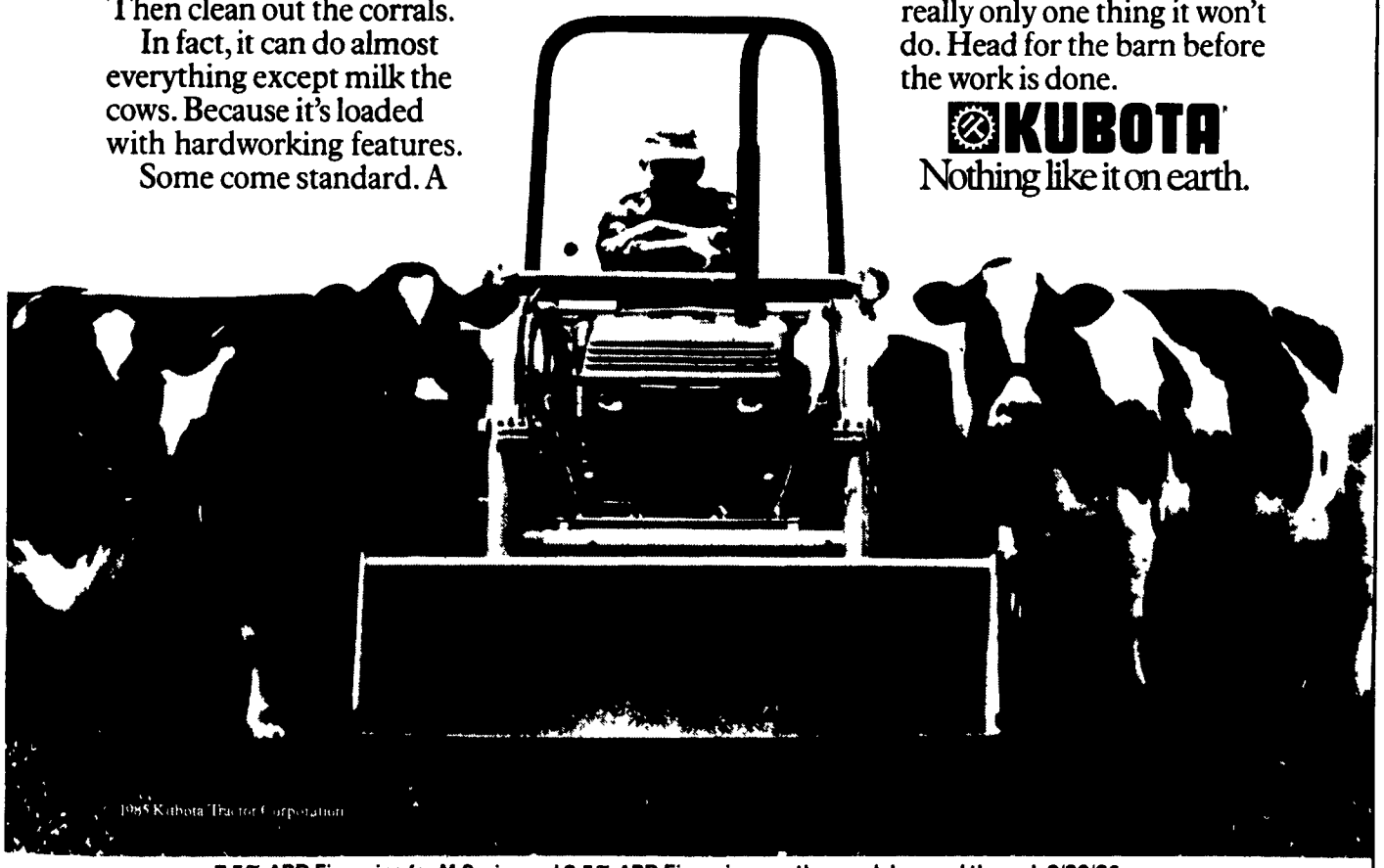

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## Brockett's Ag Advice

By John E. Brockett
Farm Management Agent
Lewistown Extension Office

# *Looking To The Future*

One part of management planning includes making projections as to what will happen in the future that will have an effect on management decisions. Some of these projections will have to do with production costs, interest rates, product prices, inflation, and the farm's physical input needs. Of course no one can accurately predict everything that will happen in the next four hours let alone the next four or five years. But we all can make some educated guesses.

**Fuel** is one input that all farms use. Most of you will be affected by fuel price changes over the next few years. As we have learned to develop more fuel efficient engines and motors, energy use in a physical sense has gone down. At the same time fuel prices have dropped. Many economists and other analysts feel that due to a continuing fuel glut, fuel prices will stay well below the prices of a few years ago. However those who dream of fuel prices similar to those of the pre-OPEC days are out of touch with reality. So look for fuel costs to be in the same general price range they are right now with seasonal ups and downs of five to 15 percent. That would mean that most farmers will probably have overall lower fuel costs. These costs could be reduced even further if farmers would learn to do a better job of planning their workload.

**Feed** is a major input for livestock, dairy, and poultry producers. The recent feed price—milk price ratio has still been favorable despite the dramatic drop in the milk price. Likewise with poultry products. Even the red meat industry is profiting from reduced feed prices. Losses are not as great, and there is some room for profits if a producer can achieve top efficiency and keep a good handle on production costs. Projections are that despite the present drought in the Southeast, grain supplies and projected 1986 grain crops are so big in the Midwest that grain surpluses will hold grain prices down for several years. This, combined with ever increasing feed use efficiency, will make feed costs for the most efficient operators lower in the next few years than they have been since the early 1970's.

**Interest** may be at a low point now, but I do not think we have seen the bottom yet. Some forecasts call for interest rates in the 6 percent area. Others see interest rates going back up in the next year to the 12 to 13 percent area. Based on what I can glean from reading all of these forecasts and the reasons why the rates will do what the forcaster says they will do, I think we will see rates gyrating around the eight to 11 percent level for the next 3 years. They will go up and down much more freely than they ever have in the past. One reason for this is the removal of many of the banking regulations from the past.

**Fertilizer** will follow fuel cost changes to a large degree. As with fuel, farmers have learned how to get along with less fertilizer so are benefiting in two ways. Overall fertilizer costs are down, and will probably come down further as the actual cost per unit drops, and as the number of units drop. Modern farmers who intend to stay in business are going to look more and more at the so called "bottom line." This will mean more use of soil tests, more participation in crop management associations, more efficient use of available manure, and more effective use of the fertilizer dollar. I have seen some farmers reducing fertilizer costs to a value nearly equal to the amount that was spent when NPK were a lot less per unit than they are now.

**Labor** will be the one item that will increase on most farms in the future as farm sizes continue to increase. However, true labor costs per unit of production will probably decline for the next three to four years, then increase, unless farmers learn how to be more effective with their labor (including their own family labor).

**Repairs and parts** will continue to increase in cost as farmers become more capital conscious and borrowed capital becomes harder to handle. As one farmer said the other day, "It is cheaper for me to spend $3,000 on a repair than to replace the tractor at a cost of $12,000. That is $9,000, I have to pay down on debt or pay operating expenses with." There is a lot of merit to that argument. However, all farmers must realize that equipment will need to be replaced someday. The thing a farmer must do in the meantime is to start now to build a cash reserve for use when replacement time occurs. Ever since I got burned by a bank in Potter County on a car loan, I have saved money to buy each replacement car. It was not easy at first. We simply kept paying the "payment" into an account until the balance was sufficient to buy another car. So part of the above $9000 could go into a cash reserve to be used when replacement is absolutely essential. Of course, regular maintenance would reduce the repair bills as would more careful handling and replacement of broken or lost pins, bolts and screws. Repairs cost from 1.5 to 2.5 percent of the original cost of the equipment. That is a wide range. Good operator management can make that difference.

**Overall operating expenses** could be reduced on most farms in the next three to five years. Some of the reduction in costs of some inputs such as feed and fuel may be offset by increases in repair parts costs, but careful planning could make a major contribution to overall operating cost reduction. Improvement of fertilizer use by using a good soil testing program on a regular basis (not just when seeding alfalfa) could reduce fertilizer costs. Better handling of manure could reduce potential pollution as it also reduced purchased fertilizer needs. Forage testing combined with a more careful use of grain fed could reduce feed costs on most dairy farms by as much as 40 percent. Aiming at economy of production rather than the top of the DHIA list could increase profits even with lower milk prices. Good planning is the key to decreasing expenses. Decreased expenses in relation to income is essential if you as a farmer want to stay in business as a profitable operator.

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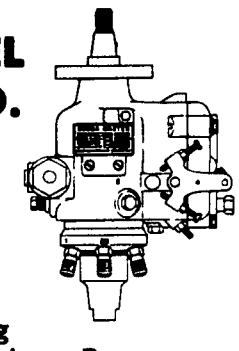

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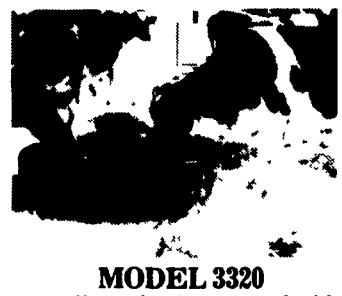

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# Dixie Tops Central New Jersey Holstein Show

FLEMINGTON, N.J. — Dixie did it again. This was the fourth consecutive year that Backacres Joyous Dixie has been selected as the grand champion of the Central Jersey Holstein Show.

She received a blue ribbon in a very strong Aged Cow class, besting her daughter, Backacres Marc Della. Della was named reserve grand champion of the show. The pair was also first in the dam-daughter class. Both animals are owned by Lucinda Pill, High Bridge, daughter of Bill and Natalie Teets, Backacres Farm in Clinton Township.

Pill's story with the Dixie family began some years ago when, as a 4-H'er, she won Dixie's dam in the Central Jersey show. Descendents of that animal make up one of the top cow families in the Backacres herd.

Genie Francisco, Andover, was the judge for the day-long event, placing over 80 head in the competition.

Premier breeder and exhibitor honors of the show returned to Penn-Breeze Holsteins, owned by the Charles Rogers family, Raritan Township. They captured five blue ribbons in cow and heifer classes.

Junior champion in the show was a senior heifer calf, Windy Crest Chairman Butterfly, owned by Windy Crest Holsteins, Howard Sutton and Son, Tewksbury Township.

Reserve junior champion went to the intermediate heifer calf, Central Valley Chairman Allie, owned by Adam Huff, Asbury.

Grand champion of the junior show was Penn-Breeze Kel Sexation Tina, owned by Janet Rogers, Penn-Breeze Farm.

Winner of the top youth award, a registered calf donated by Lucinda Pill and her father, Bill Teets, was Erin Gries, Hampton, a 4-H member. She scored highest in a combination of fitting, showmanship and recordkeeping.

Tracey Beatty, Asbury, a 4-H'er, had actually scored higher than Erin, but having won the calf last year, she had to settle for the second place award, a show box.

The following are the class winners of Central Jersey Holstein Show.

**Yearling Bull**
Richard Norz
**Junior Heifer Calf**
Jerry Coleman
**Intermediate Calf**
Adam Huff
**Senior Heifer Calf**
Windy Crest Holsteins
**Junior Yearling Heifer**
Janet Rogers
**Senior Yearling Heifer**
Windy Crest Holsteins
**Junior Champion**
Windy Crest Holsteins
**Reserve Junior Champion**
Adam Huff
**2 Year Old Cow**
Sandy Rogers
**3-Year-Old Cow**
Janet Rogers
**4-Year-Old Cow**
James and Wayne Sutton
**Aged Cow**
Lucinda Pill
**Dry Cow**
Sandy Rogers
**Type and Production**
Ken Rogers
**Grand Champion**
Lucinda Pill
**Reserve Grand Champion**
Lucinda Pill
**Premier Breeder**
Charles Rogers Family
**Premier Exhibitor**
Charles Rogers Family

# Bradford Co. Looking For Big Trees

ULSTER — A total of 31 entries have thus far been received for the Big Tree Contest in Bradford County. The competition was instigated this spring by the Bradford County Forest Landowners' Association as a way to celebrate the Year of the Forest in Pennsylvania.

Fourteen species have been entered, 11 of which are oak, either red, white, or chestnut. Other entries include the sycamore, black locust, Norway spruce, black walnut, beech, ash, white pine, silver maple, sugar maple, cucumber, apple, and elm.

The original intent of the search was to find some trees in the county which might be large enough to enter into the Pennsylvania Big Tree registry. As the interest in the contest grew, the committee decided to not only recognize the largest trees, but to record all the entries in a printed registry of Trees of Bradford County. People owning trees that are not only large in size for their specie, but old, unusual, or historic, are asked to send the information about them to Jane Bresee, executive director of the Bradford County Forest Landowners' Association.

Entries for the contest and for the tree registry booklet are due by September 1. Each tree will be visited by the forester, James Lacek, to verify the measurements, and species.

According to Lacek, no entries of hemlock, staghorn sumac, or ailanthus have been received. Although the sumac is considered a weed tree in Bradford County it was chosen to be eligible for the contest because wood carvers in the county delight in the unique grain of the wood. The ailanthus, or Tree of Heaven, is found in towns because it is almost invincible to smoke, dirt, and insects, and was included in the contest to encourage people in towns to take part in the contest, Lacek states.

Winners will be recognized at the annual dinner meeting of the Bradford County Forest Landowners' Association Fire Hall on November 18, at 7:30 p.m.

For more information, contact Jane Bresee, R.D. 1, Box 131, Ulster, Pa., 18850 or phone 717-358-3346.


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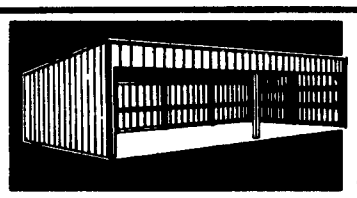

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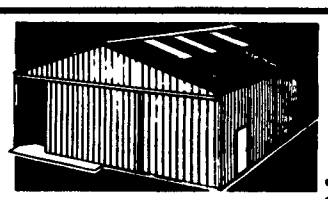

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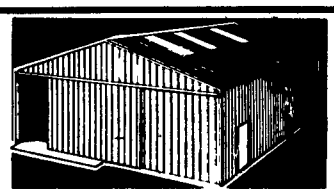

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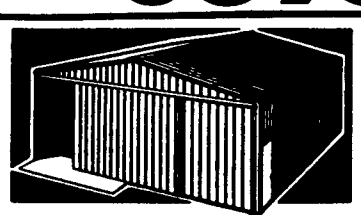

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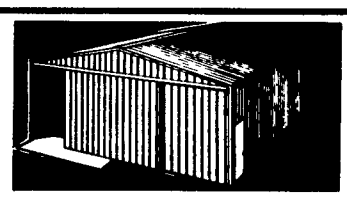

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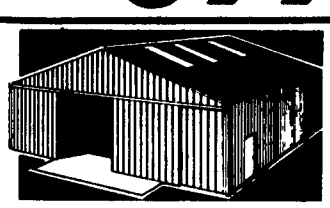

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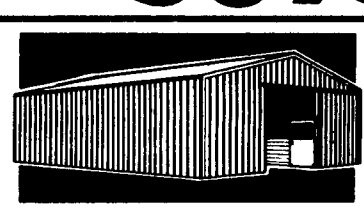

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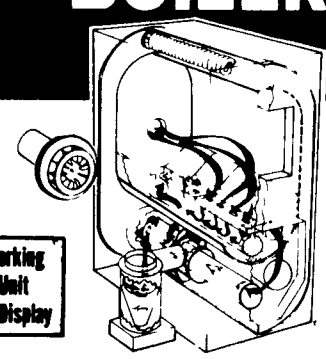


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# Bring The Kids To Ag Progress

UNIVERSITY PARK, Pa. – Farmers aren't the only ones who can benefit from a day at Penn State's Ag Progress Days.

Ag Progress Days, which has something for everyone, can be especially educational and fun for children. With farm families making up only about three percent of the total population, many children have never seen a farm animal or farm equipment up close.

Ag Progress Days offers children a wide range of unusual fun and educational activities.

A walk through the Pasto Museum, with its array of antique farm machinery and home implements, will show children how families lived 100 years ago. They can see sewing machines, butter churners, corn choppers, and threshers that their great-grandparents would have used. This year the museum will feature its newest acquisition, an antique corn-cutting sled.

Then they can walk into the present and see different types of modern machinery, everything from tractors to huge combines, that are used to produce their food.

Unusual vegetables will be displayed at the Food and Fitness exhibit in the "Ask the Experts" tent, and everyone can enjoy samples and ask questions of the home economists staffing the booth.

And when the kids get hungry, how about some fresh Pennsylvania fruit or other products which the College of Agriculture's Student Council will be selling? Various foods, including extra-thick milk shakes, will be available from the booths along Main Street.

Parents should remember to dress children appropriately in sturdy shoes for walking down the gravel roads, and a hat for protection from the sun. It is also a good idea to bring along a tube of sun screen. Be sure to prepare for quick changes in weather. If planning to bring smaller children, it would be wise to bring along a backpack, wagon or stroller.

Ag Progress Days, open from 9 a.m. to 5 p.m. each day, is held at the Rock Springs Research Farm, nine miles southwest of State College on Route 45. Parking and admission are free.

## *NJ Grain Growers Elect Officers*

FLEMINGTON, NJ – The recently formed Grain and Forage Producers' Association of New Jersey elected its first officers at a meeting of the Board of Directors. Fred Clucas, Oldwick, was named president.

Clucas is a grain and hay farmer, currently farming 800 acres in Hunterdon and neighboring counties. He is past president of the Hunterdon County Board of Agriculture, is member of the Board of Managers, Cook College and N.J. Experiment Station.

Jonathan Repair, Mercer County Agricultural Agent, was elected secretary. The association's mailing address will be c/o Mercer County Extension Service, 930 Spruce St., Trenton, NJ 08648.

A mailing will be made in near future to all grain and forage farmers in the state, encouraging membership in the new organization.


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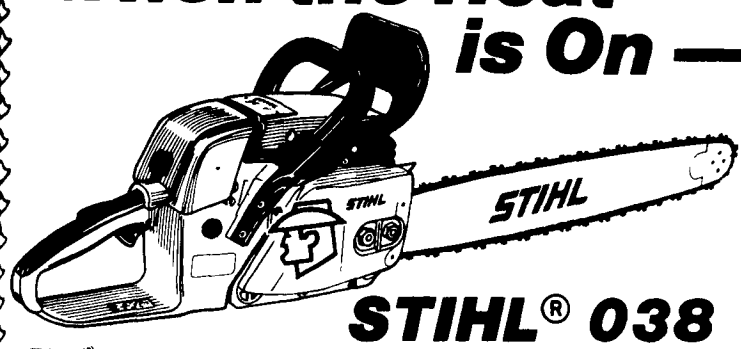


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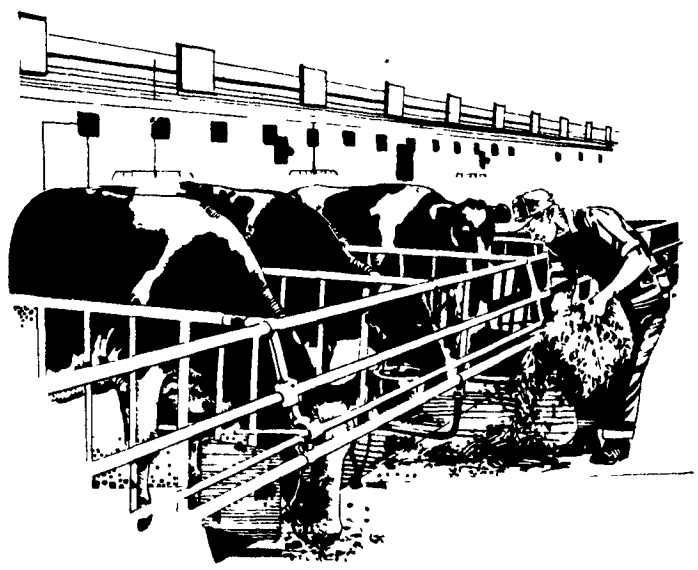

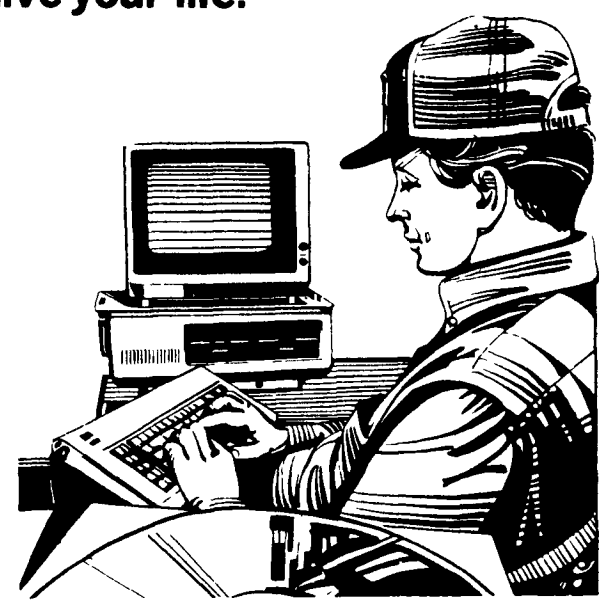

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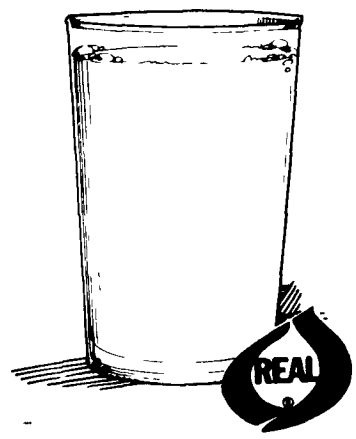


Come and share a glass of milk with Mr. Clint Young, Beacon Dairy Specialist, who will be in our booth on Wed. He will be happy to answer your dairy questions.

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# College Emphasizes Agriculture Abroad

As developing countries move toward self-sufficiency in agriculture, competition for world markets will become increasingly keen. "Those who will be working in the industry in the future will be working in a global context," says J. Dean Jansma, assistant dean for international programs. "It's important for our faculty and students to have international experience, and our researchers need access to scientific resources abroad, including the genetic pool of plant and animal material available internationally."

The Penn State College of Agriculture has been a leader in international programs administered at Penn State. In the past 20 years, college faculty have participated in 12 major international development programs and about 50 faculty have gained short-term experience abroad.

In July 1985, the college was awarded a $500,000 grant from the U.S. Agency for International Development to strengthen international agriculture programs. "A key component of the grant is to develop a core group of faculty interested in participating in interdisciplinary agricultural development in less-developed nations," explains Jansma.

"Several of our faculty members are awaiting final approval from USAID and the respective host countries for funding to help them broaden their international experience."

The following faculty expect to go abroad before July 1, 1986. James E. Diamond, assistant professor of agricultural education extension, and Joy Cantrell, assistant professor of agricultural education, will travel to Mali to evaluate with local officials the appropriateness of the Centres d'Apprentissage Agricole as a training model for other areas in the Sahel.

Kim C. Steiner, associate professor of forest genetics, will visit Sri Lanka and Kenya to explore the potential for cooperative agro-forestry research and extension projects. Magdi M. Mashaly, assistant professor of poultry science, will travel to Egypt to investigate the possibility of joint work in poultry diseases.

Jill L. Findeis, assistant professor of agricultural economics, will travel to India to explore cooperative studies in farm-level decision making as a measure of the impact of technology on development.

# *Lackawanna Co. Schedules Sweet Corn Meeting*

SCRANTON – All vegetable growers–commercial and home garden–are invited to attend a meeting at the Roy Thompson farm on the Newton-Ransom Boulevard at 6:30 p.m. on Thursday, August 21 to see the Lackawanna County Cooperative Extension Service sweet corn variety trials.

The trial includes 30 different varieties of sweet corn, all high sugar types, planted on May 1.

As each variety matured sample ears were harvested and frozen for this meeting of growers to inspect and evaluate, according to Tom Jurchak, Lackawanna County Extension Agent.


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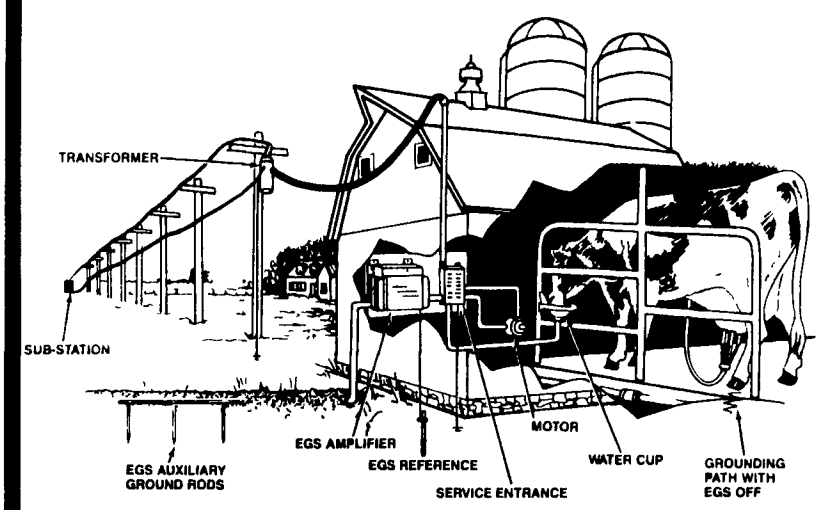


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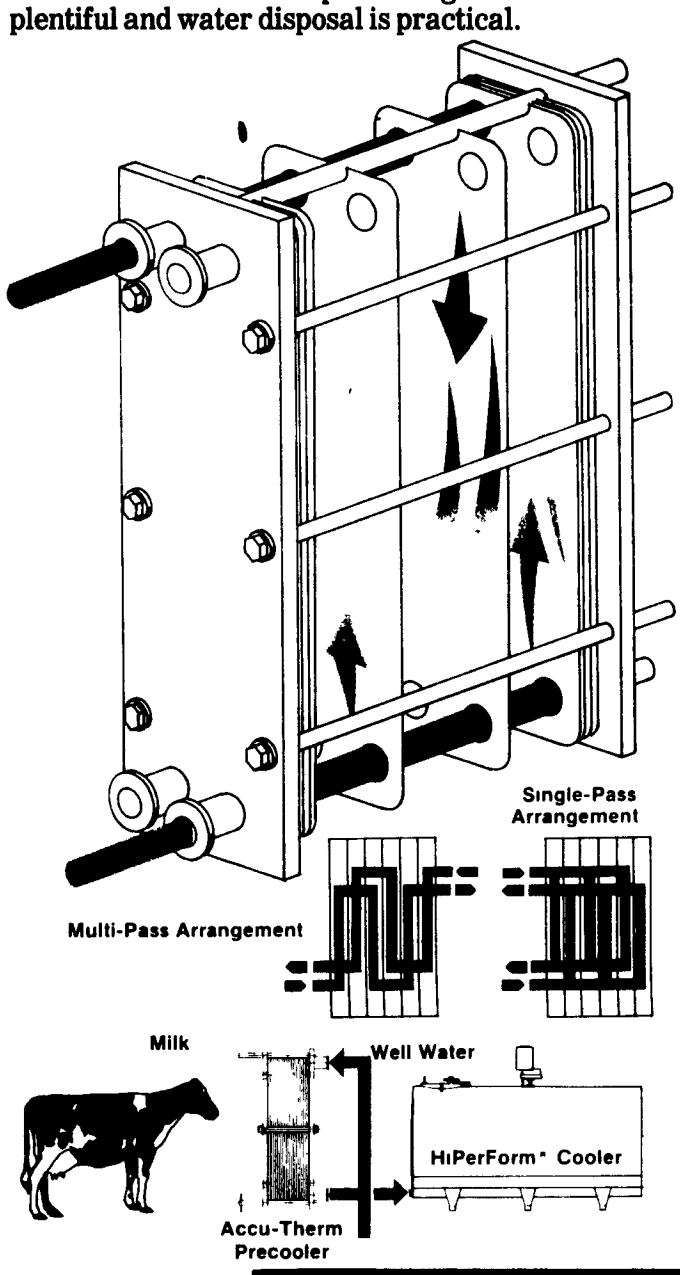
**...uses well water to precool your warm milk before it goes into your milk cooler!**

In seconds, 100 degree milk is cooled to within 15 to 20 degrees of well water temperature. Milk flows between every other stainless steel heat exchanger plate while well water flows in the opposite direction on the other side of these plates cooling the milk. Choose Accu-Therm for lowest cost precooling when well water is plentiful and water disposal is practical.

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Milk from the cow is about 100 degrees F. Precooling milk by 20 degrees shortens the time the milk cooler refrigeration system must operate by one-third. Precooling warm milk by 30 degrees will cut your milk refrigeration system operation in half. A Mueller Accu-Therm lowers your energy costs and reduces your operation expenses.

### 2 Flexibility

The Accu-Therm is available in wall-mounted or floor models to fit any milking operation or space restriction. As your dairy operation grows, Accu-Therm can be easily adapted to increased volume by adding heat exchanger plates. This is a simple job requiring only a hand wrench and a few minutes and does not require moving the Accu-Therm.

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The Accu-Therm Plate Heat Exchanger is a closed system and can be quickly and efficiently cleaned-in-place with the rest of the milking system.

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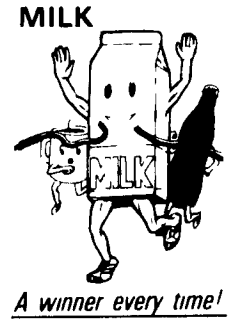


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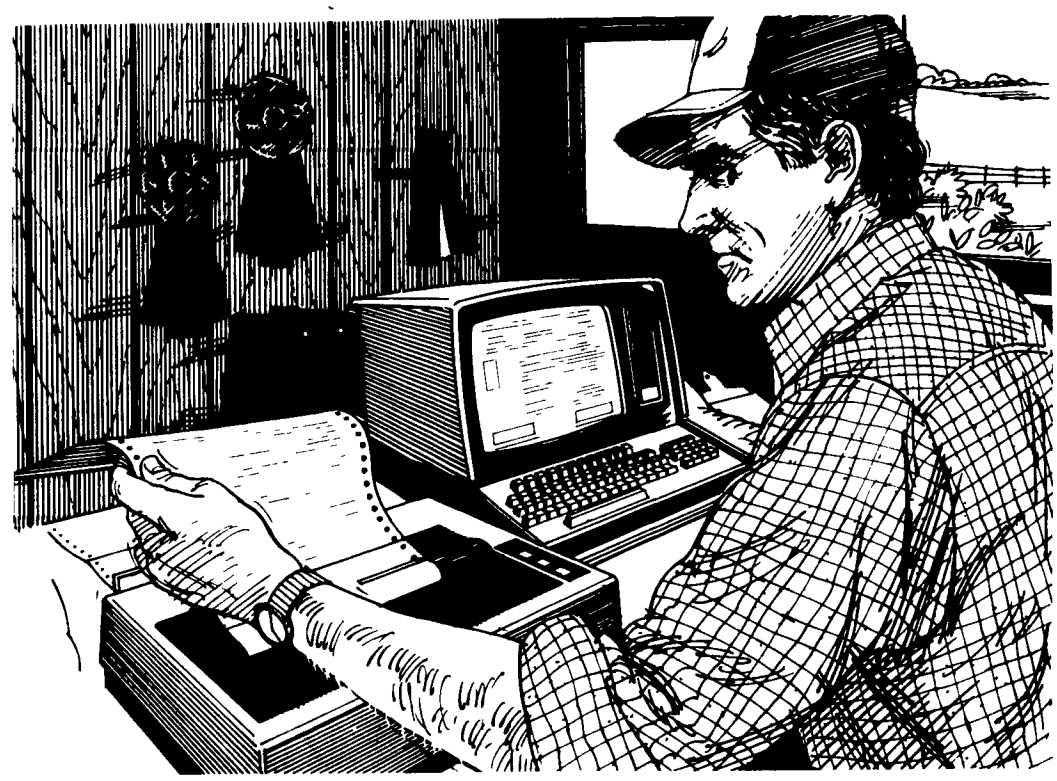

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PLAIN CITY, Ohio — A young Holstein sire bred by Blackcrest Farms, Altoona, Pa. has been chosen to enter Select Sires' Program for Genetic Advancement (PGA) Sire Sampling system. Based on his outstanding pedigree, 7H3236 Blackcrest Neutron-Red-ET has been selected as one of 130 Holstein bulls from throughout the United States to enter the program in 1986. In addition to being sampled through PGA Cooperator herds, this young sire is also available to all interested Holstein breeders.

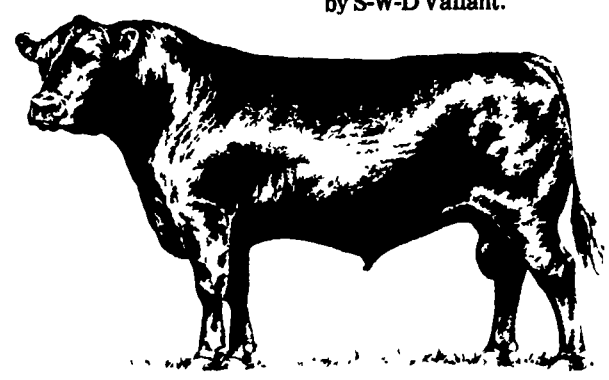
Neutron is sired by Glenafton Enhancer, a high testing Starlite son. The dam, Blackcrest Star Nancy, is a Very Good (88) Ivanhoe Star daughter with a January 1986 cow index of +505M +28F +$76. She has three successive records over 30,000M and 1,200F with a top record of 6-8 365d 31,019M 4.0% 1,239F. The grandam also has several records testing over 4.0% fat.

## Two Bulls Entered In ABS Program

DE FOREST, Wisc. — Two Holstein bulls bred by Dennis Wolff of Pen-Col Farms, Millville, have been selected to enter American Breeders Service's progeny testing program.

Pen-Col Perfect-ET is the result of mating between Browncroft Jetson and Pen-Col Valiant Portia. His dam has production records to 26,910 lbs. of milk. She is classified VG-86 and is sired by S-W-D Valiant.

Pen-Col Jettison-ET is the result of a mating between his sire, Browncroft Jetson, and Pen-Col Valiant Delighted. His dam's best record at 2Y 3M is 25,326 lbs. milk. Her classification score as a 4-year-old is VG-88, and she is sired by S-W-D Valiant.

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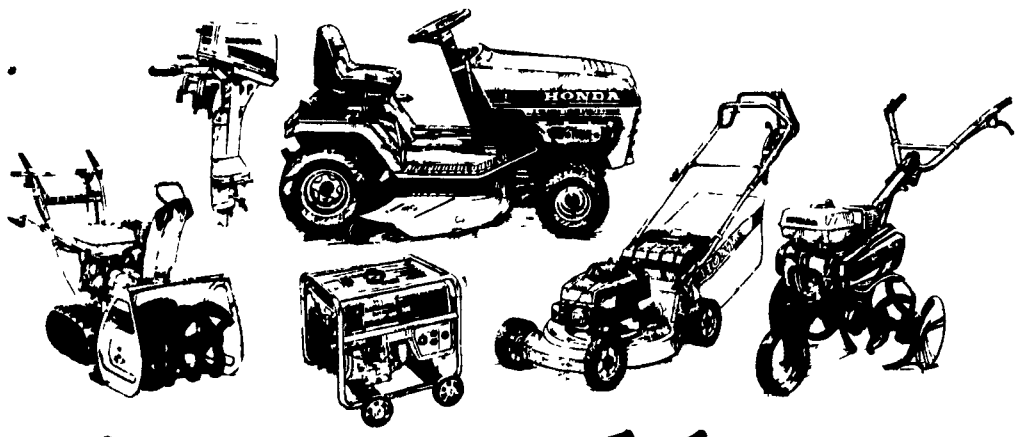

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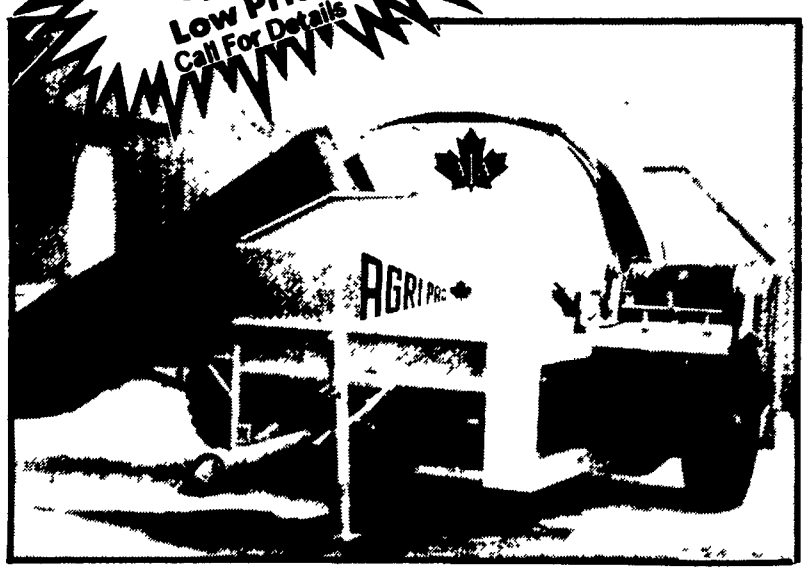

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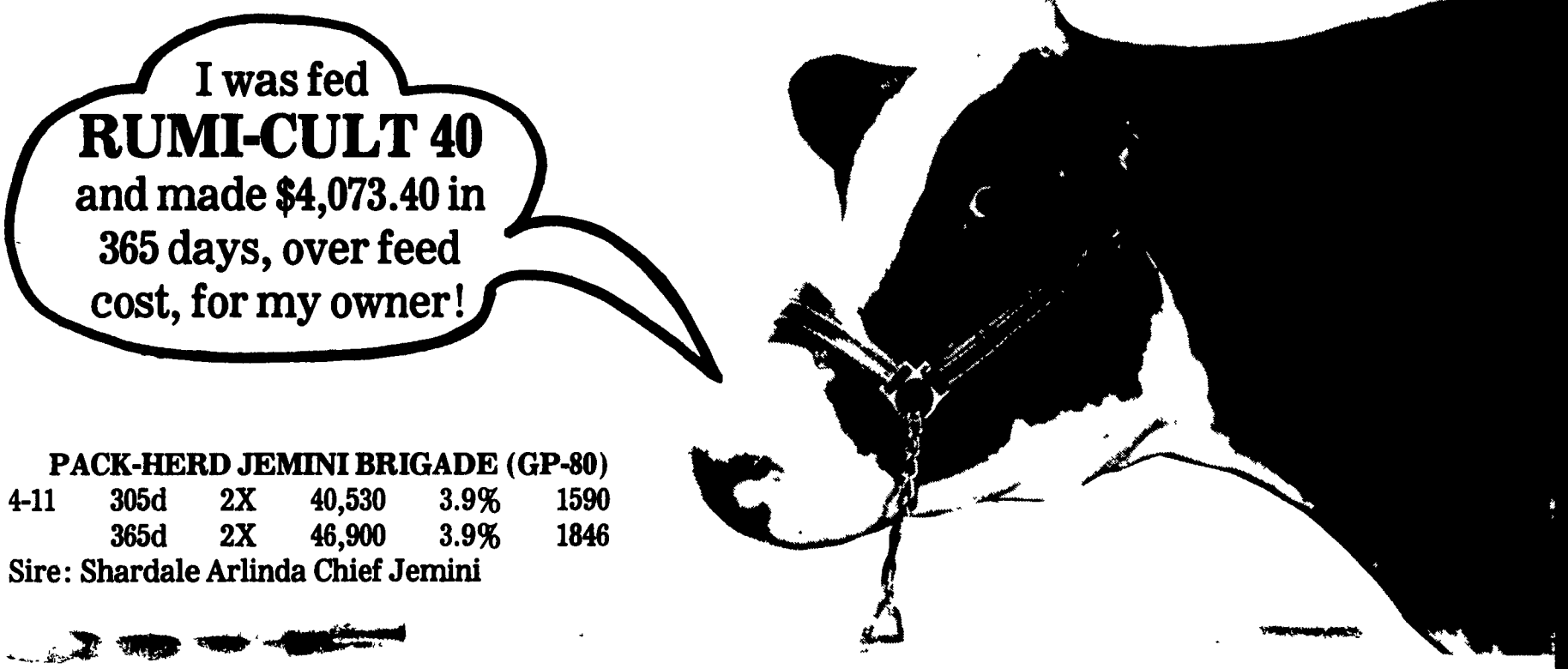


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# A World View Of Agriculture

**Editor's Note: Here's a story about several farmers who immigrated from Germany to Argentina. You'll get a bit of insight into agriculture in a different part of the world. The article was translated with permission from Top Agrar, a German agricultural magazine, June 1986.**

In Germany they say a lot of farmers' geese have been cooked by the worldwide agricultural depression, and "cooked geese can't fly." Cooked geese are also dropping from the sky in Argentina. Yet the German farmers who settled in Argentina in the last few years are largely satisfied with their new lives. Dr. Godofrido Massen, an agricultural expert working with the Intergovernmental Committee of Migration, visited a few of them recently.

**Dietman Jacob** is one of some dozen Germans who in the last few years settled in the province of Entre Rios, north of Buenos Aires between the Rio Parana and the Rio Uruguay. The son of a school teacher, Jacob went on to study agricultural economics and to get his degree in Bonn, West Germany, in 1982. He got acquainted with Argentina on an inspection trip organized by the Intergovernmental Committee for Migration. There he saw the possibility of actually establishing himself as a farmer. He bought a large and well established 100 hectare (247 acre) dairy farm and started production with the help of his sister Dagmar in 1983. Soon their parents joined them.

The Jacobs milk at the moment 33 cows and deliver some 500 liters (132 gallons) of milk a day. The proceeds amount at this time to some 40 pfennig/liter (69 cents/gallon). In the climate of Entre Rios the animals can live all year round out of doors. Only the milking station is roofed. In addition to green fodder, the cows get 3 kg. (6-7 lbs) of silage a day and in colder periods also some hay.

There are no marketing problems. So many purchasers compete for the milk that an expansion in production will be possible in the near future. The Jacobs have joined together in a cooperative with some 15 milk producers to have their milk – some 10,000 liters (2,640 gallons) daily – marketed jointly. This has vastly improved the negotiating position of the milk producers. In addition, the 15 milk producers carry out various quality control procedures which in Argentina as elsewhere pay off. They have also been able to buy some machines together, including a hay press.

According to Jacob's records, the cost of milk production (without calculating wages for help) lies somewhere near 40% of income. As a by-product of the milk, there is also profit from the sale of heifers. The male animals are shown and later sold.

Jacob also makes the following comments on the profitability of his dairy farm: In addition to capital reserves deposited at 10% (!) interest, he gets a return on capital investments of 3.6-3.8%, before paying wages.

The question whether he is making out okay brings an affirmative answer from the young farmer. He needs at the moment some 1,000 DM ($455) a month to cover living costs for a family of four. He is thus able even to put a little money away.

What would a beginner have to invest to get by? For Jacob, it was 375,000 DM and 125,000 DM in reserve, or $170,455 and $56,818 in reserve at current exchange rates.

**Heinrich Dammann: Happily settled in.** He has lived already six years in Entre Rios. In 1980, along with his wife and three daughters, he immigrated and bought a 220 hectare (544 acre) farm in Entre Rios. He also is a milk producer, having at this time 34 cows that daily bring about 420 liters (111 gallons) of milk. He also fattens steer and has planted several fields in flax, grain sorghum and corn. His goal is pure milk production with a yield of 800-1,000 liters (211-264 gallons) a day. He has no marketing difficulties. The current milk price is essentially better than it has been in the last 2-3 years when it reached only 20-25 pfennigs (9-11 cents/liter or 34-42 cents/gallon). Fertilizer, sprays and other advanced equipment are more expensive, but he incurs hardly any cost at all for accomodation of the animals.

Dammann's advice for planning investment in a dairy farm is: "200 hectares (about 500 acres) will cost about $90,000, plus enouogh money for livestock, production equipment and reserve, makes about $180,000 needed for initial investment."

To foreigners who would like to settle in Argentina, he also advises: "First just watch how work is done here and learn. Don't think, I know everything and the locals know nothing. Then very gradually begin for yourself, not sticking your neck out. This is the way to avoid a lot of work and disappointment."

**Wolfgang Vogel as farm administrator.** Born 32 years ago in Angola and fleeing from there to Germany, Wolfgang Vogel went to technical school in Landsberg. In 1980 he came to Argentina where he soon became administrator for a German land investor and, in the meantime, became an Agrentine to the core – in truth, following a destiny of many changing paths.

Today "Pancho" Vogel, as he is fondly called, administrates even more farms. His specialty is fattening cattle. With manmade pastures and a system of subdividing pastures he produces a good 150 kg of meat per hectare (134 lbs/acre). With conventional methods on natural pasture only 70-90 kg/hectare (28-36 lbs/acre) would be produced.

The price of beef fluctuates sharply as all over the world. At today's prices, according to Vogel, one can live off 300 hectares (740 acres). Thus, it would be necessary to have about $450/hectare ($182/acre), plus about $40/hectare ($16/acre) for improvements, making altogether an investment of $147,000. $25,000 for purchase of 300 head of cattle and a reserve of $50,000 yields a total investment of $222,000.

A cattle exhibition in Buenos Aires.

According to Vogel, the yield would look like this: 150 kg./hectare or 134 lbs/acre x 300 hectares (740 acres) = 45,000 kg or 99,000 lbs of beef a year. At, for comparison purposes, a price of 35 Austral/kg x 45,000 = 15,750 Australs. Taking costs at 50% from that, 7,875 Australs remain, making a net income of about $9,000.

For the rest, pig raising in Argentina at this time is getting top prices. In mid-May the price of pork was more that double that of beef. Unfortunately it won't be the same in the fall, since Argentina also has pork price cycles.

Further information on agricultural conditions in Argentina and opportunities for immigration can be obtained from the Intergovernmental Committee for Migration (ICM), 440 National Press Building, 529 14th Street, Washington, DC 20045. (202) 662-7099. This non-profit, non-political international organization (not part of the U.N. or U.S. government) works with the government of Argentina in arranging inspection tours of Argentine agricultural lands. ICM also facilitates the permanent resettlement of immigrants. The first inspection tours for American farmers are being organized for November 1986 and March-April 1987.

A hog barn in Argentina.

Tobacco growing in Argentina.

# International Trade: Solutions Aren't Simple

A popular saying holds that for every problem, there is a simple solution - and it's usually wrong.

It would be best to keep that fundamental truth in mind as we consider appropriate responses to the exploding U.S. trade deficit.

The response suggested with increasing frequency, both by the public and by members of Congress: pass new laws punishing countries running large trade surpluses with the United States.

A simple solution, but unfortunately, the problem is not that simple. In fact, Michael A. Samuels, vice president in charge of the International Policy Division at the U.S. Chamber of Commerce, recently performed a great public service by pointing out just how complex the international trade issue really is, in a speech before the American representatives to the 22nd U.S.-Japan business conference held in Minneapolis this summer. I would like to perform a public service of my own by sharing some of his thoughts.

Ambassador Samuels said many of the factors contributing to our trade deficit exist right here at home. Among them: the "major national embarrassment" of high budget deficits; our predilection for consumption, which "fuels the demand for imports"; our lack of knowledge about the rest of the world - few of us speak a foreign language or even know geography; the ascendancy of the service economy over manufacturing; and most important, the appreciation of the dollar, caused not just by our fiscal posture, but also by the confidence of foreign investors in the American economy.

To those problems, Ambassador Samuels explained, we can add a series of international complications. First, there is the debt crisis in many less developed countries, LDCs, which drives them to "export more and import less" in order to pay off their obligations. In fact, the United States has long encouraged such economic activity among LDCs to reduce the need for foreign aid.

Other countries, he added, are simply growing more slowly than the United States. This depresses the demand for U.S products in their markets, even as our appetite for imports increases. Ambassador Samuels noted that the General Agreement on Tariffs and Trades (GATT), the international framework under which most of the world's major trading nations have agreed to keep their markets open to foreign goods, governs only 10 percent of all trade.

Finally, "cultural, political and economic differences among countries" naturally serve as barriers to free trade.

Of all the factors contributing to our trade imbalance, only the last would be addressed by import surcharges or by other new legislation aimed at restricting imports. Yet those same internal customs and habits of our trading partners are, realistically, the most resistant to change.

Instead of resorting to simple, and simplistic, solutions, we should act to address all the factors limiting our ability to trade. We must get our economic house in order and create the conditions that allow American industries to be more competitive. The reach and enforcement power of GATT must be enhanced. We must continue to look for ways to deal with the debt crisis and our trading partners must be urged to beef up their economies to step up their demand for U.S. exports.

That doesn't mean, however, that we have to turn the other cheek when our trading partners deliberately restrict U.S. products from entering their markets. But instead of scattershot new legislation that might violate trade agreements, invite retaliation and insulate the U.S. industry from beneficial competition, ***the president should use the trade laws already at his disposal.*** These allow him to address trade violations the way they should be addressed - on a case-by-case basis. The president has taken an important step by using his authority against a broad range of industries, both services and manufacturing, in Japan, Korea, Taiwan, Brazil and Europe.

What we don't need is restrictive ***new*** legislation that would tie the president's hands and even possibly hurt more than help. What we do need, as Ambassador Samuels suggests, is to take a step back, take a broader look at the trade problem, and ensure that we don't choose the solution that is simple, easy - and wrong. (The PennAg Journal)

# Soft Water Facts Outlined

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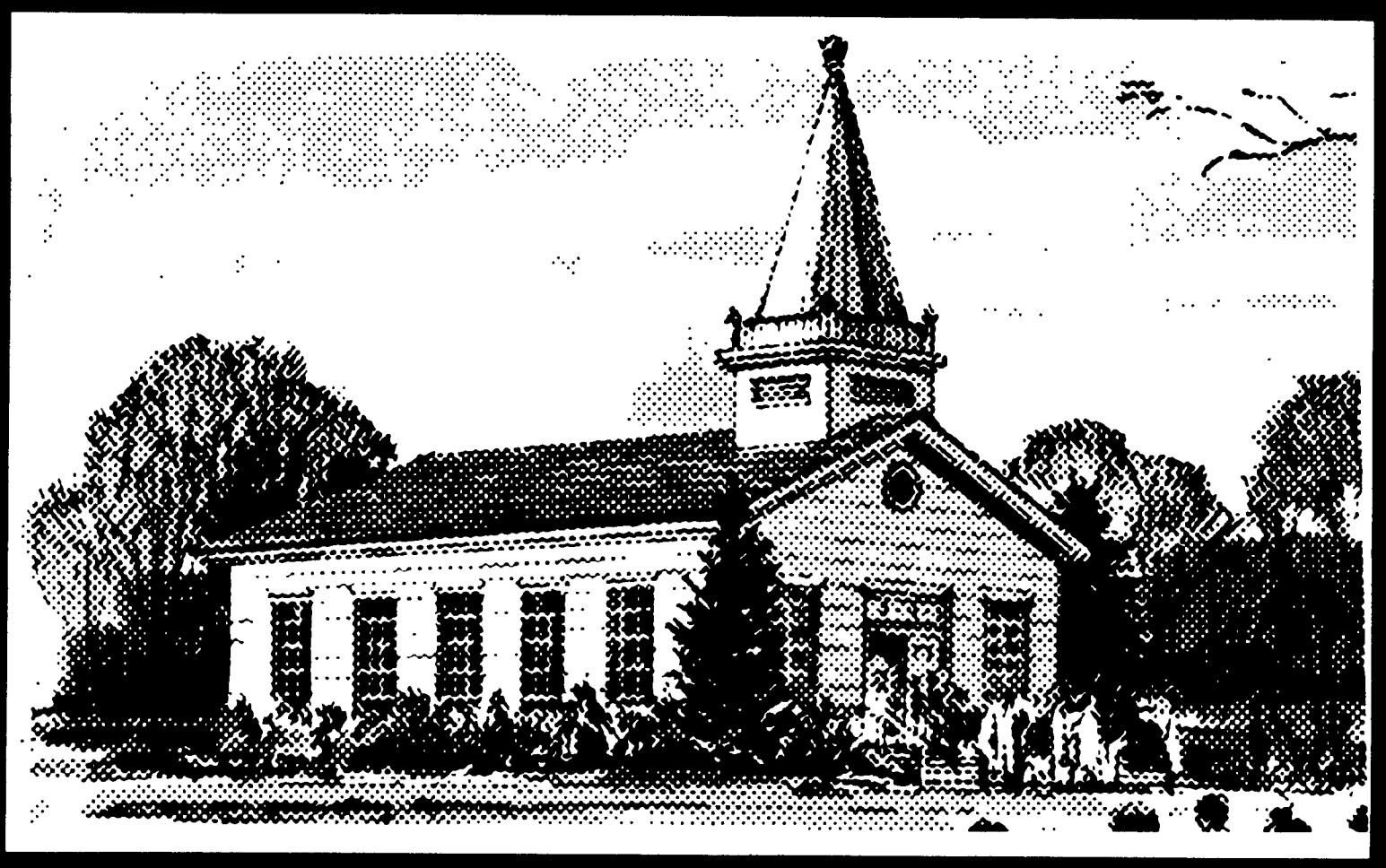
"These minerals also interfere with the cleaning action of soaps and detergents, forming films on skin, clothing, and fixtures," says Nancy Frazier Wagner, extension regional program leader in home economics at Penn State's Altoona Campus. She is coordinator of an exhibit on "Water Quality in the Home" in the college of Agriculture Building at Ag Progress Days, August 19-21.

At the exhibit extension home economists will answer your questions about water softeners, including how water hardness is measured, and tips on how to maintain your water softener system, and the health effects of softened water. Free fact sheets on water quality issues have been prepared by water specialists in Penn State's Department of Agricultural Engineering.

# GENERAL RECONSTRUCTION



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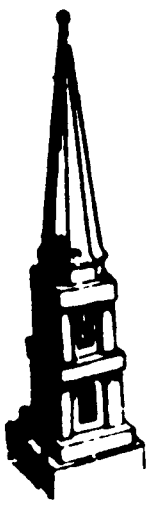

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# Ag Committee Approves Export Bill

WASHINGTON — The House Agriculture Committee Wednesday approved a bill designed to open a government agricultural export subsidy program to traditional foreign buyers who have so far been shut out of the export-boosting plan, Chairman Kika de la Garza, D-Tex., announced.

The bill (H.R. 5242) was adopted by voice vote, and de la Garza said he hoped to get action on the House floor as quickly as possible. The measure was sponsored by Reps Tom Daschle, D-S.D., and Tony Coelho, D-Calif., and the version adopted by the Committee included modifications drafted by Daschle and Rep. Pat Roberts, R:Kans.

"This is an extraordinary bill, but these are not normal times," de la Garza commented.

The legislation applies to the Export Enhancement Program, adopted as part of the omnibus 1985 farm law. Under the program, the Agriculture Department was ordered to seek to expand exports by giving surplus government-owned commodities to buyers in order to make the overall cost of U.S export commodities competitive on world markets. Congress has allocated a total of $1 billion worth of commodities for the program during the three fiscal years beginning with 1986. The administration, in operating the program, has so far declined to open it to a number of major traditional customers including the Soviet Union.

De la Garza noted that the bill also provides that where a traditional customer has a grain purchase agreement with the U.S., the buyer would have to comply with its agreement terms in order to be eligible for Export Enhancement Program terms.

The bill provides that:

— When the EEP is used, the administration must permit participation by "foreign purchasers who traditionally have purchased United States agricultural commodities and the products thereof, who maintain trade relations with the United States, and who, after July 30, 1986, comply with minimum purchase requirements under long-term grain agreements."

— Priority in making EEP deals with interested foreign purchasers would be given to those who continue historic levels of imports from the U.S. or who increase their purchase levels.

— To the maximum extent practicable, the administration is directed to use equal amounts of commodities as export expansion aid in each of the three years of the program and to use commodities with a total value of not less than $667 million during the first two years.

— By March 31, 1987, the Secretary of Agriculture must report to Congress a list of traditional buyers of U.S. farm products that have not participated in the program with information on why they have not taken part.

# Have You Eaten Breakfast This Morning?

Breakfast may be the most overlooked and abused meal of the day. Either Americans forget totally about the morning meal, or else each breakfast is loaded with fat and salt (eggs, sausage, butter) or sugar (certain cereals, syrup).

Breakfast is a very important time of the day. Because a person hasn't eaten in eight to 12 hours, the blood sugar (glucose) level in the body is low. And nearly all the cells in the body run on glucose, it's the gasoline for our body's engine.

If there isn't enough sugar in the blood in the morning, the body converts muscle and fat tissue to glucose. This is sufficient for a while, but a peson may soon get hungry and find it tough to concentrate. A balanced breakfast will provide both quick energy to get started in the morning and a steady supply of glucose to keep a person going until lunch.

How much should a person eat for breakfast? Someone with a sit-down job who eats 2,000 calories a day should take in 400-500 calories at breakfast. If the person works at heavy labor or physical activity, then more calories may be needed.

Also, breakfast can be more than bacon and eggs or pancakes. Anything nourishing can be consumed: the emphasis is on nourishing, not junk food. What is wrong with soup? A cheese sandwich? As with most things that people do, moderation and a view towards health should be watchwords. (The PennAg Journal)


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# Civil War Arms Demonstrated at NY Museum

MUMFORD, N.Y. – A "bang-up" weekend is being planned at Genesee Country Museum next Saturday and Sunday, Aug. 23 and 24 when Civil War era cannon, muskets and carbines shoot live ammunition at breakable targets during the museum's annual Black Powder Shoot.

More than 30 teams will compete in the Shoot, which is hosted by the 108th New York Volunteer Infantry Regiment from Rochester, N.Y. Points are earned by each team for accuracy and consistency.

The Black Powder Shoot competitions are based on activities which took place on a Civil War skirmish line, with all participants in Civil War uniforms. The competing units are based on units which actually saw service in the Civil War, including the 108th Regiment. The 108th Regiment was formed in 1862 with most of its members recruited from towns and villages on Monroe County, N.Y.

Most of the units participating in the Black Powder Shoot at Genesee Country Museum represent New York units. However, some will come from outside the region, including the Old Dominion Dragoons from Virginia and the Ohio Volunteer Zouaves from Toledo, Ohio. Another participating unit is the 12th Pennsylvania Regiment from the Allegheny region of Pennsylvania, called the "Pennsylvania Bucktails," because of the deer tails worn on their hats.

At 10:30 a.m. each day of the two-day event, the units will form up on the museum's Great Meadow and march to the firing area. At the end of the competition, a trophy will be awarded to the unit that has the most authentic uniforms and military bearing.

On Saturday the competition begins at 11:30 a.m. with musket, carbine, revolver and six-shoot individual matches. At 2:30 p.m., the cannon matches begin with the cannons shooting at hanging water-filled cans. The day will end with carbine team matches at 4 p.m. The carbines will be shooting at clay pigeons, dyed flour-filled three inch pots and four inch square wooden blocks.

Following Sunday's parade and award ceremonies, musket team matches will begin at noon. Each team consists of eight men who will fire at clay pigeons, dyed flour-filled pots and wooden blocks. At approximately 3 p.m., the closing ceremonies will take place.

The musket shooters will load their guns Civil War style, with the shooter reaching into his cartridge box, pulling out a round of ammunition, biting the cartridge wrapper open with his teeth and pouring the black powder into the musket muzzle. He will then use a ram force to force the musket ball down the muzzle. The event is timed, so expertise at this maneuver is measured by the clock. The competitors are battling the clock and the other teams' ability. The event is timed at five minutes, but most teams are completed in two or three minutes.

Most of the action of the Black Powder Shoot will be held in the Upper Staging Area of the museum, an area away from the historic village. This has been done because the concussion of the cannons and muskets could damage the old glass in many of the buildings in the village.

Visitors may witness the competitions at no additional charge over the regular museum admission of $7 for adults and $3 for children. A special two-day pass will be available on Saturday at the reduced price of $11 for adults and $4.50 for children six through 14. Children under six and museum members are admitted free. There is no seating in the Upper Staging Area, and visitors are advised to bring folding chairs.

THE CANNON WILL ROAR ... as Genesee Country Museum presents the second annual Black Powder Shoot August 23 and 24. The cannon, muskets and carbines will be shooting live ammunition at breakable targets. (GCM photo)

Genesee Country Museum is open seven days a week in July and August from 10 a.m. to 5 p.m. Following Labor Day, the museum closes at 4 p.m. on weekdays and at 5 p.m. on weekends.

The museum is located in Mumford, N.Y. between New York State Thruway exits 47 (Leroy) and 46 (Rochester). Maps and directions to the museum are available at each of the Thruway toll booths. The museum is also a 20-minute drive west of Avon Exit 10 of Interstate 390.

Parking at the museum is abundant and free. The Depot cafeteria and auxiliary food tents will be open both days of the Black Powder Shoot. The museum provides picnic tables free to visitors.


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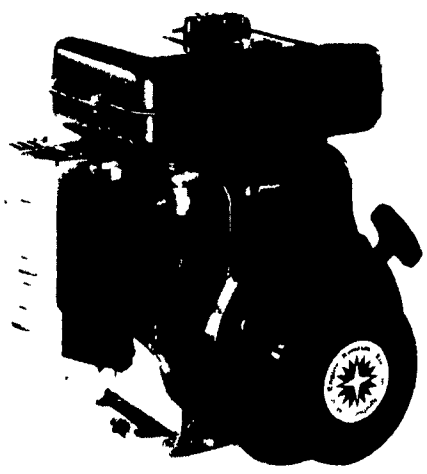

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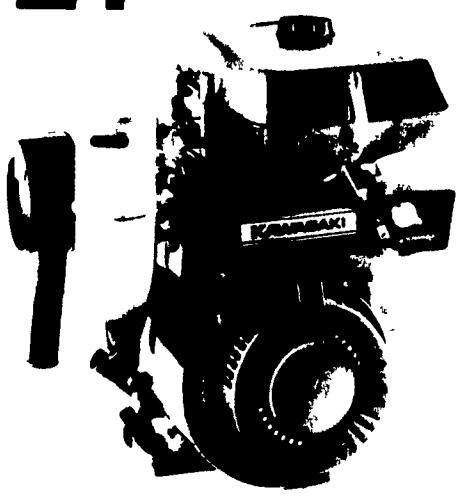

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# Cyanamid Rebuts Petition On BST

Dr. Alberto Adam, Vice President of Cyanamid's Agricultural Division, told a group of dairy scientists, dairy industry leaders and media that "Cyanamid's large-scale involvement with university scientists has made it a leading company in the research and development of bovine somatotropin (BST)."

Dr. Adam made his comments at a reception at the University of California, Davis, site of the 1986 American Dairy Science Association annual meeting. Five university studies using Cyanamid-provided BST were presented at the meeting. Cyanamid gave the reception to honor the five research teams that reported their work and the many other scientists around the world currently doing cooperative research with BST supplied by Cyanamid.

**Need For Accurate Information Cited**

Dr. Adam claimed that publication of university research was important because of the current controversy surrounding BST. According to Dr. Adam, "BST is too important to the dairy industry to allow decisions regarding its use to be based on incomplete or inaccurate information."

Cyanamid is currently supplying BST for over 10 important studies in progress at major universities in the United States, Canada and the United Kingdom. "Their results are not ready for publication yet," Adam said, "but we hope to see their work made public. People need university research information so they can make rational decisions about the benefits of BST."

Dr. Adam termed the results of completed trials and preliminary information from current trials "very encouraging."

"Based on what I have seen so far," he said, "BST is safe for cows and for the people who drink the milk." He also said that BST is effective. But, he added, "Contrary to what has appeared in some headlines, it won't grow super cows." According to Adam, BST will raise the profitability of milk production for large and small herds by lowering the cost of each pound of milk produced.

"That's important to all dairymen," he said, "but especially to small family farmers. They usually have to make every dollar count, and BST will give them more dollars to count."

**Completed Studies Show BST Cost-Effective**

Five university BST studies were reported on at the ADSA meeting. Among those whose findings were presented were: Dr. William Chalupa (University of Pennsylvania), Dr. Donald Otterby (University of Minnesota), Dr. Roger Hemken (University of Kentucky), Dr. Robert Cook (Michigan State University) and Dr. Herbert Head (University of Florida).

Their studies with bovine somatotropin indicate that BST can improve feed efficiency 10% to 20% in diary cows and increase milk productivity by 10% to 24%. In addition, they reported that BST did not affect certain physiological parameters and yielded favorable results under different environmental conditions.

The long-term performance studies confirm earlier research showing that BST will help dairymen increase milk yield per pound of feed consumed.

Dr. Adam praised the researchers and commented that "these trials strongly support the view that BST will be a powerful new management tool to help American dairy farmers, small as well as large, to reduce milk production costs and improve profitability in a very cost-competitive world."

**Partners In Leadership**

Dr. Adam called the dairy industry, independent researchers and Cyanamid "partners in leadership." "The American dairy industry is the world's leader primarily because of the dairyman's willingness to adopt new technology — technology developed by creative scientists and produced by companies like Cyanamid."

Over 150 guests attended the reception which featured a dairy buffet and a display of dairy products from 27 different companies representing 16 states. The display was highlighted by a unique ice carving of a cow created by University of California, Davis artist-in-residence, Roger Hankins. Following the reception, the dairy products were distributed to local charities.

## *Martin Elected President*

LEOLA — Robert E. Martin of New Holland was elected president of the New Holland Local of Eastern Milk Producers Cooperative during the Local's recent annual meeting here at the Leola Restaurant.

The Local is comprised of 41 area dairy farmers who are members of Eastern Milk Producers.

Other officers, also elected to one-year terms, are: Mervin Weaver of Lititz, vice president; Aaron Beiler of New Holland, secretary, and Daniel Hoover of Leola, treasurer.

The local also elected a delegate, LeRoy Smucker of New Holland, and an alternate delegate, Robert Martin of New Holland, to represent local farmers at Cooperative business meetings at Eastern's Syracuse, N.Y., headquarters.


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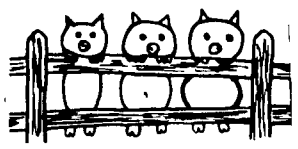

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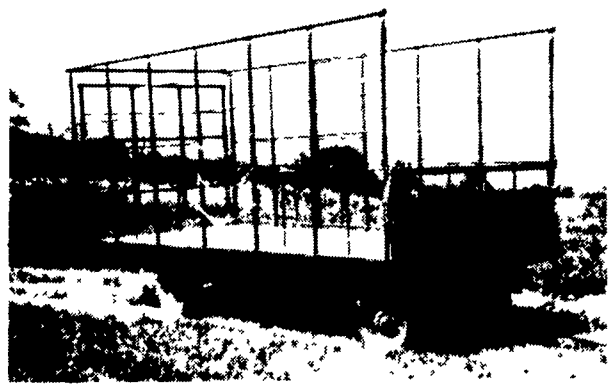

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# Ammoniated Straw Can Stretch Feed Supplies

COLLEGE PARK, Md. – Even straw and pasture clippings should not be overlooked as alternative sources of livestock feed on Maryland farms during a drought year like 1986. So says Scott M. Barao, an Extension beef cattle specialist at the University of Maryland in College Park.

Barao admits that, under normal conditions, crop production byproducts like these might not be considered seriously for feeding beef cattle since they are low in taste appeal and nutrient value. But anhydrous ammonia treatment--a relatively low-cost technology–can change all that.

This innovative treatment of straw and other low-quality forages has been tested at a number of land-grant universities, Barao reports. The research shows that the treatment increases protein content by 6 to 8 percent and improves the overall digestibility, or TDN value, by 8 to 15 percent.

To achieve these results, enough ammonia must be added to equal 3 percent of the weight of the straw or other roughage being treated.

Beef cows evidently like the ammonia-treated roughage, since they will eat 15 to 25 percent more than if the same roughage were untreated. And they show an average increased weight gain of half a pound daily, Barao says.

The procedure for treating baled roughage–either in round or square bales–is fairly simple. First, stack round bales two high and two or three bales wide–or even end-to-end in rows. Handle square bales in a similar fashion. Estimate, as closely as possible, the total weight of the stack to be treated.

Place plastic sheeting over the stack in a tent-like fashion. Make the enclosed stack as air-tight as possible by covering the ground-contact edges with dirt. Place a pipe or hose with an external shutoff valve under the plastic near the center of the stack. Pump ammonia directly into the stack from an anhydrous ammonia tank nearby. The recommended rate is 60 pounds per ton of roughage.

The ammonia gas should permeate the stack evenly, and the bales should remain covered for one to four weeks, depending on the outside temperature. One week to 10 days should be sufficient in hot weather. You may need to aerate the bales several days before feeding them to cattle.

Remember, that there are some safety precautions to be taken when handling anhydrous ammonia. Ammonia gas is toxic and should not be inhaled. Keep a gas or oxygen mask and a large open container of water at the ammoniation site.

Ammonia vapor is lighter than air and will accumulate under the roof of enclosed barns and other buildings. Consequently, hay or straw should be ammoniated in open, well-ventilated areas.

If the stack of bales has a plastic cover, remember that ammonia gas will be concentrated under the plastic for several days following treatment. Restrict access to this area.

Barao estimates that ammoniating dry forage this way will cost $9 to $11 per ton. This includes $3 to $4 per ton for plastic sheeting and $6 to $7 per ton for the ammonia, equipment and labor.

The process may appear somewhat expensive but in view of the increased protein and TDN which the process adds, the economic advantage is obvious in years of short feed supplies.

# Determine Your Health Risks

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Are you at risk? How much you weigh, what you eat and drink, your family medical history, and even in your daily routine are all factors in a computer health risk analysis developed by extension community health specialist Dr. Charles O. Crawford.

At Ag Progress Days this year, visitors can work with extension agents to determine their health risks and discuss ways to minimize those risks through food and fitness. "Many people are simply not aware that their daily habits and family meals can contribute to a health problem," says Crawford. The risk analysis program is fun to do, doesn't take very long, and actually gives visitors some concrete evidence of how their lifestyle may contribute to future health problems – "problems we don't want them to have," says Crawford.

The risk analysis program will be featured in the Food and Fitness exhibit in the "Ask the Experts Tent," which this year is attached to the Wicks Forum building, where visitors can sit and enjoy a number of health related demonstrations. Daily presentations and demonstrations are printed in the free program, which will be available at a number of convenient locations through out the exposition grounds.


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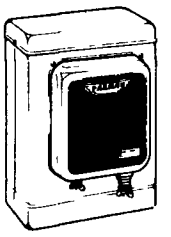

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# What Is In The Future For U.S. Agriculture?

The volume of U.S. agricultural exports increased an average of eight percent per year during the 1970's, according to senior economist Clark Edwards of USDA's Economic Research Service. So far during the 1980's, export volume has declined in each consecutive year, and USDA trade analysts forecast another drop this year.

But the forecasts also seem to say that the worst may soon be over.

The foreign exchange value of the dollar has been dropping against many major currencies, and our commodity prices are closer to market-clearing levels. Farmers' production costs are stabilizing, and rates of return on investment in agriculture are recovering from reduced levels for many farm enterprises.

The longrun trend in export growth over the past three decades averaged about three percent per year. If we can manage to get back on that track, and it appears that we can, agriculture's recovery will be hastened.

Prospective growth in the physical capacity of the U.S. farm sector seems adequate in coming years to meet domestic demand growth, plus export growth of about three percent per year, even if farmers are faced with moderately declining real (inflation-adjusted) prices for their products. Of course, this assumes that efforts will continue to conserve and develop our natural resources, discover new technologies, promote efficient regional relocations of production, and provide the necessary farm inputs.

Temporary strains are anticipated in the future, as we have seen them in the past, but these need not lead to prolonged periods of either surplus or shortage.

Income shifts will continue to occur within the farm sector, as well as among farmers, input suppliers, post-harvest handlers, domestic consumers, and foreign trading partners. The income shifts will favor first one group, then another. Policies for the late 1980's and beyond need to be flexible if we want to avoid windfall gains to some groups and severe losses to others — and if we want to be able to deal with economic reversals as they arise. Again, with these goals in mind, we need to find ways to share the farmer's risk while at the same time maintaining agriculture's resilience.

**Risks Versus Benefits**

The recovery of lost export markets would, however, make agriculture more dependent on foreign markets than it already is and make it more vulnerable to future price swings of foreign origin. By the year 2000 around half of U.S. harvested cropland could be producing for export markets, up from an average of 36 percent in the last five years. The livestock sector could also become more involved in exports, reducing its insulation from foreign market swings.

Given the risks implicit in dependence on volatile world demand, why would we welcome a resumption in export growth? Perhaps because the alternatives are less appealing.

One alternative is to have a much smaller agriculture limited to expansion in domestic markets. These markets grow about one percent per year. With resource productivity increases that have been averaging about 1.9 percent per year, this would imply a steadily shrinking agriculture. Each year, less land, less labor, less capital, and fewer farms would be needed to stay in line with domestic demand growth.

The potential for demand growth outside the United States is much greater. World population is expected to double before the middle of the next century, and the food will have to come from some where.

The United States has the capacity to supply a share of these needs. An increase in exports to the longrun trend of three percent per year would double our exports in less than three decades and provide a basis for growth sufficient to absorb the likely increases in agricultural capacity.

During the last population doubling, food supplies more than doubled, and the world trend in relative food prices was slightly, if erratically, downward. We can expect this again with the next doubling. Real prices of food products in world markets will probably decline moderately over the next three decades. This reflects the moderate-growth demand scenario as well as the interaction of cost-reducing technologies and the historical tendency of farmers to increase their output until price falls below unit cost.

Production increases can be expected even if prices received for farm products fall moderately further relative to prices paid for production inputs. After all, farmers are used to that. The parity ratio is now about half what it was 70 years ago, yet agriculture has been able to increase its efficiency, expand, and prosper in intervening years. With prospects for continued technological and structural changes in agriculture, the sector can continue to adapt and grow despite lower real prices received by farmers — assuming that the markets, particularly the export markets, expand sufficiently.

**A Bumpy Road**

The size of markets for U.S. exports depends on the growth in world population, gains in per capita world income and wealth, changes in world food production, factors affecting the international monetary system and international debt, the price competitiveness of U.S. products, and the vagaries of foreign government policies with respect to food imports and exports.

A resurgence in export demand could result from a change in one or more of these factors: an acceleration in world population or income, a setback in the expansion of world food production, a less expensive dollar, and government policies and institutional arrangements undertaken either by the United States or by others that boost exports through changes in support programs, monetary policy, tax laws, quotas, embargoes, subsidies, promotions, or aid.

Several of these factors have worked against U.S. farmers so far during the 1980's, but prospects are for improvement in coming years.

However, even if the situation does improve and we seem to be getting back on the three percent trend for export growth, we have no reason to expect the future to be one of stable and steady growth. The past has been bumpy, except for the unusual stability of the 1950's and 1960's when farmers were protected by massive and expensive price and income support programs. The future can be expected to be bumpy, too.

Farmers have the flexibility and resiliency to make most of the adjustments needed to cope with future changes; however, when volatility becomes extreme, farmers may need protective intervention by government.

An export-oriented agriculture is not consistent with long-term programs designed to protect a depressed agriculture in a closed and isolated society. Instead, it requires programs to cushion an efficient and growing agriculture which is linked to volatile world markets in an open and international economy.

# Nutrition Info Available

No one food can do it all. For good health and fitness, select foods from the four food groups and eat a variety of foods every day. That's advice from a U.S. Department of Agriculture fact sheet you can pick up at Ag Progress Days.

Look for the Food and Fitness exhibit in "Ask the Experts" tent. Penn State Extension agents will be on hand to give you a free bag of information on health, nutrition and fitness. You'll get the latest advice on how to eat a variety of foods, how to murder a vegetable (as well as tips on how not to), and booklets "Staying Well is Your Responsibility" and "Go for Health," which will help you change your mind about your body.

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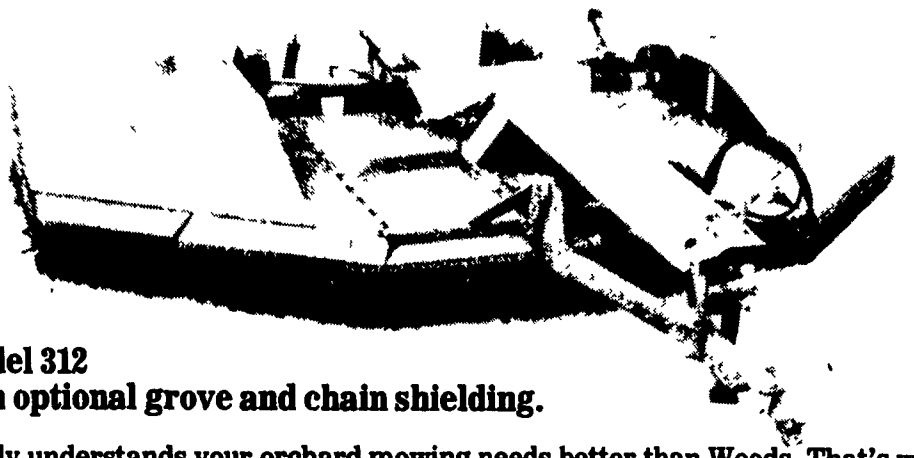

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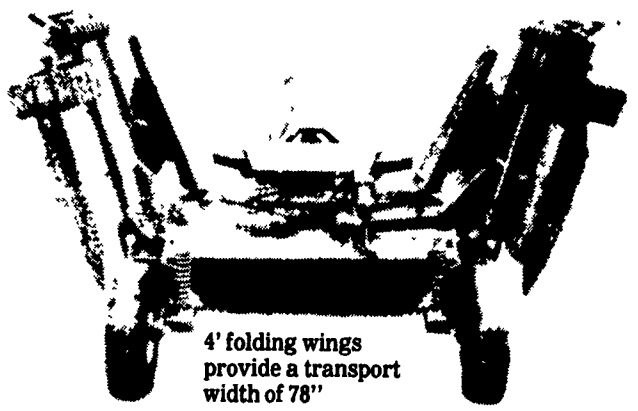

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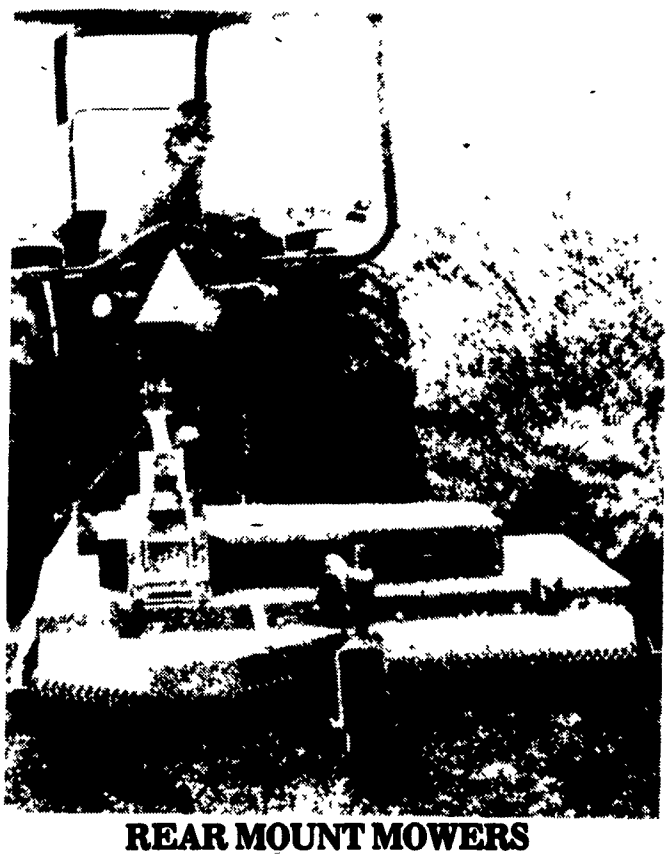

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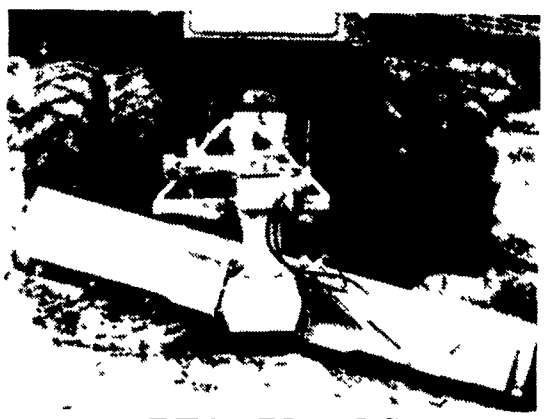

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# Septic Systems Require Periodic Maintenance

Many homeowners are moving into houses where, for the first time, they aren't on city water and sewage systems. Unlike municipal sewers, septic systems require periodic maintenance by homeowners in order to perform properly.

Just what is a septic system? According to University of Delaware extension agricultural engineer Dr. Jim Scarborough, it's an on-site waste disposal system consisting of two parts, a septic tank and a drainage field.

The tank is usually a precast concrete box into which all wastewater from the house flows. The wastewater takes two or three days to flow through the box, and during this period most of the heavy particles suspended in the water settle out. Bacteria in the tank break down and digest some of the organic particles. Undigested and inorganic particles remain in the bottom of the tank as sludge. Lighter materials such as grease, fats and paper float to the top as scum. A baffle in the tank keeps the scum from entering the drainage field, where it would clog the soil.

The drainage field consists of a network of pipes buried in gravel about two feet below the ground. Liquid in the tank seeps out into the gravel through perforations or cracks in the pipes and then soaks into the soil.

For the system to work properly, Scarborough says a septic tank should be pumped out about every three years by a licensed pumper to remove accumulated sludge and scum. If these are not removed, he warns, they will build up and eventually be carried out into the drain field, clogging the soil and causing the system to fail.

If not removed, in time the solids also will reduce the storage capacity of the tank, so that a 1,000 gallon tank may act like a 500 gallon or even a 50 gallon tank, if left along enough. When this happens, the wastewater goes through the tank faster, and solids don't have a chance to settle out, the engineer warns. This means undigested waste from the house goes directly to the drainfield. So be sure the pumper removes the solids from the tank, as well as the liquids.

"Pumping the tank will cost you about $50 to $100," Scarborough says, "and the job will last for about three years. This may seem inconvenient and easy to forget, but the cost of routine maintenance is small compared to the cost of replacing a failed drainage field. That can run from $2,000 to $5,000, depending on where you live and what the site is like."

Once the tank has been pumped, it needs a period of use to become stabilized and work efficiently again. During this time it won't be at its best. To minimize this start-up inefficiency, don't have the tank pumped out too often. Unless a problem develops, allow at least a two-year interval between pumpings.

Before the tank can be pumped, it must be located. Some tanks are clearly marked, but most aren't. "If you're lucky," Scarborough says, "the previous owner left a map showing its position, or one of your neighbors may have seen where it was installed." If the system is new or was recently repaired, the location should be indicated on the permit.

"If none of these leads pan out, go into the basement or crawl space, locate the sewer pipe and note where it goes through the wall," the engineer says. "Then check the yard outside this area for spots where the grass grows very well or doesn't grow at all. Look for a slight depression or mounding in the lawn. In the winter look for a depression in the snow. In the spring the snow may melt first over the tank."

Probe any likely spot with a thin metal rod when the ground is damp. The cover of the tank is usually a foot or less below the surface of the ground. If all else fails, let the septic tank pumper look for it—at a slight charge, of course.

Once you locate the tank, make sure to draw a map of its position. Use a couple of reference points such as the edge of the house or a tree or fence post. Or better yet, mark the spot with a large decorative rock or birdbath or some lawn ornament that's not likely to be removed. But don't plant a bush or tree to mark the location as the roots may interfere with the system.


TANKS TANKS TANKS

# Poultry Surveillance: State's Early Warning System Is Unique In Nation

HARRISBURG – The two-and-a-half year old poultry surveillance system operated by the Pennsylvania Department of Agriculture in conjunction with several Pennsylvania universities and the poultry industry is a major tool in the prevention of another widespread epidemic of avian influenza in that state.

Originated in December, 1983, at the height of Pennsylvania's major AI outbreak, the system continues to provide vital information on the health of the state's commercial layer, broiler and turkey flocks to state and industry officials, who see the prevention of another widespread AI epidemic as a must if the poultry industry is to expand in Pennsylvania.

Although the surveillance system itself will not prevent the deadly virus from entering the state's flocks, officials see the current system as an asset which can provide a profile of the health of the state's flocks in normal times while also providing important information on the possible spread of the disease when the AI problem heats up.

A good example of the latter situation occurred earlier this year when Pennsylvania experienced a minor flare-up of AI. The surveillance system enabled officials to keep close tabs on the spread of the disease and ultimately allowed them to prevent the disease from moving into the denser poultry, populations of southeastern Pennsylvania.

USDA officials were quick to praise the system, once they entered the fight, and have suggested that other states follow Pennsylvania's lead in establishing statewide systems of poultry surveillance.

The surveillance system itself has undergone some major changes since its inception in Pennsylvania. From the time it originated, the system was operated by USDA until April, 1984, when the state Department of Agriculture took over. Currently, samples are collected weekly and are tested at state laboratories and at facilities at Penn State University, the University of Pennsylvania's New Bolton Center and Delaware Valley College.

A second change has been in the method of collection. At the outset, personnel made on-farm visits to collect the needed samples. Later, at the request of the poultry industry, the system was changed so that all collections could be made at egg and meat processing plants located throughout the state. This change both enabled the state to test the products coming from hundreds of farms by making relatively few stops and minimized the risk to birds from the current on-farm visitations by state personnel.

The latest counts indicate that 105 egg processing plants and 22 hatcheries, representing some 800 producers of table and hatching eggs, are enrolled in the system. Six major meat processing plants and five custom slaughter plants, representing another estimated 220 producers, are also enrolled.

The system of collecting samples at processing plants also allows state inspectors to make the collections during routine inspections.

Finally, the type of samples collected has also been changed. Rather than collecting blood and tissue samples as was done earlier, unusable eggs are used to test layers and breeders, while blood samples are still used in the testing of broilers and turkeys. These blood samples are collected from birds just before processing.

In both cases, sample collectors are careful to note the flocks from which samples are taken so that duplication can be avoided and so that each flock that delivers product to a processor is checked at least once every 30 days.

A typical month involves the testing of approximately 13,500 samples, including some 7,000 eggs, 5,000 blood samples and 1,500 that are classified as "others."

The system has received funding to the tune of $150,000 from the Pennsylvania General Assembly for 1986-87. Because of the program's success, surveillance may become a permanent fixture for Pennsylvania's poultry operators for many years to come.

At this writing, Pennsylvania is the only state that operates a statewide system of poultry surveillance in the country.


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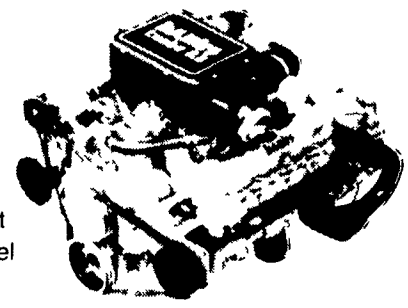

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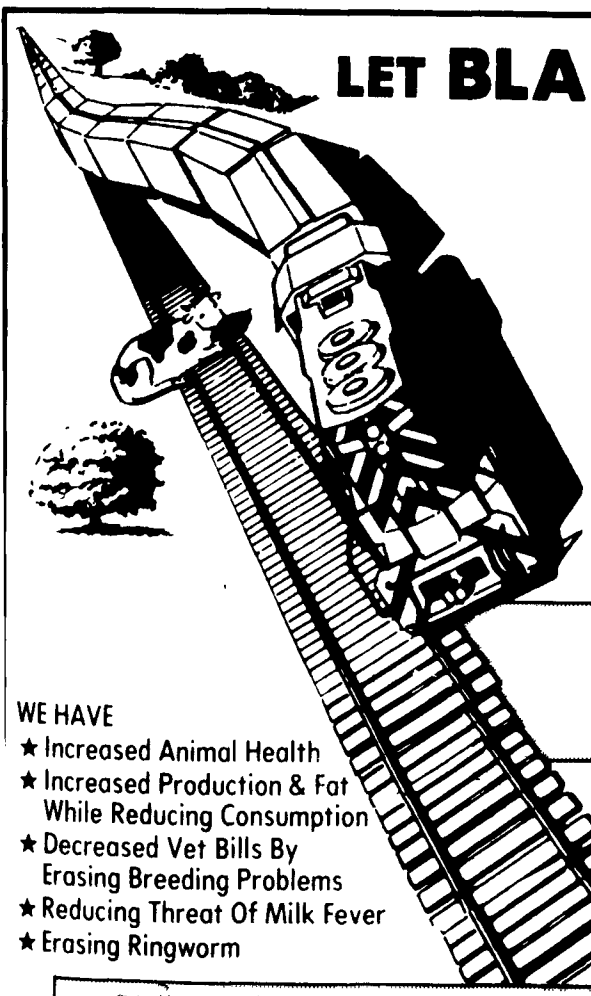

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# Lebanon Hosts First Farm Toy Show

The first annual Lebanon-Valley Farm Toy Show, Sale, and Auction was held June 28 at the Lebanon, Pa. fairgrounds. Farm toy collectors from as far west as Iowa and as far south as Florida set-up over 65 tables of all makes of farm toys, many for trade or sale in addition to being collections on display.

Karen Andres of Lebanon with the first place John Deere pedal tractor display in the background. Her father, Ed Andres, owns the display.

Many farm toy enthusiasts visited the 65 display and sale tables.

A display of John Deere pedal tractors by Ed and Pauline Andres of the Lebanon area won first place. Another fine pedal tractor display, owned by Lloyd Wenger of Myerstown and displayed by Bill Paul, took second place. Some 35 different pedal tractors were featured in this display, along with a full-sized John Deere 330 tractor. (This is only about 1/3 of the Wenger collection.)

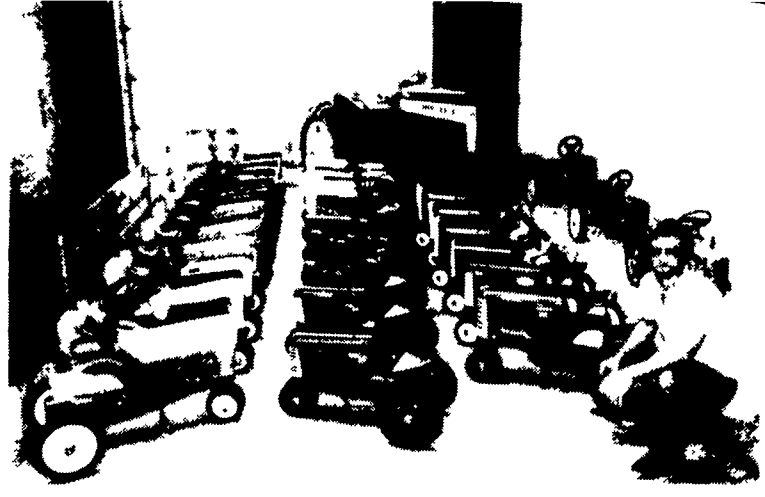
In third place was a combination farm toy and toy truck collection, displayed by Krall Hostetter and Sons. Another unique display was the scale model horse display by Glenn and Lorrene Blanch of Jonestown. A panel of experienced toy collectors from Iowa, Maryland, and Pennsylvania selected the winners.

Approximately 500 persons attended the show. While most spectators came from within a 50 mile radius, some attended from New York, New Jersey, and other nearby states.

An auction was held at the end of the show, and one of the high dollar items was a Minneapolis-Moline model G-1355 tractor in its original box, which brought $245. An Oliver 77 tractor from the '50s, complete with new paint, brought $100. A John Deere "A" in mint condition was knocked down at $190.

Show managers Don Bollinger of Myerstown, Irwin Engle of Marietta, and Dave Nolt of Paradise are already planning a similar show and auction for 1987.

The next major farm toy event in the east is a large consignment type farm toy auction at the New Holland, Pa. fire hall Saturday, Aug. 30, at 11:00 a.m. Dave Nolt, who is president of the east's 100 member farm toy club, said he expects about 400 older farm toys for this event, including some rare toys from local collectors, plus those being consigned from the mid-West.



The second place display of Bill Paul features a fine collection of restored pedal tractors.

Bill Paul, display manager of the Wenger pedal tractor collection, has announced that he will be displaying over 50 pedal tractors at the Oct. 18 Farm Toy Show and Auction at the Lancaster Mennonite High School where dozens of collections of smaller farm toy collections will be displayed. This show, which will feature over 125 tables, opens at 8:30 p.m. Saturday morning and includes an evening auction.

## *Lyng Names New Assistant USDA Secretary*

WASHINGTON – Secretary of Agriculture Richard E. Lyng recently swore in Dr. Kenneth A. Gilles as the U.S. Department of Agriculture's assistant secretary for marketing and inspection services.

Gilles has served as administrator of the Federal Grain Inspection Service since June 1981. Before assuming that USDA post, he was vice president for agricultural affairs at North Dakota State University, where he also served for nine years as chairman of the department of cereal chemistry and technology.

Gilles was born in Minneapolis in 1922. He holds a bachelor's degree in chemical engineering and a doctorate in agricultural biochemistry from the University of Minnesota.

Gilles replaces Raymond D. Lett as head of USDA's marketing and inspection programs. Lett resigned the post in February.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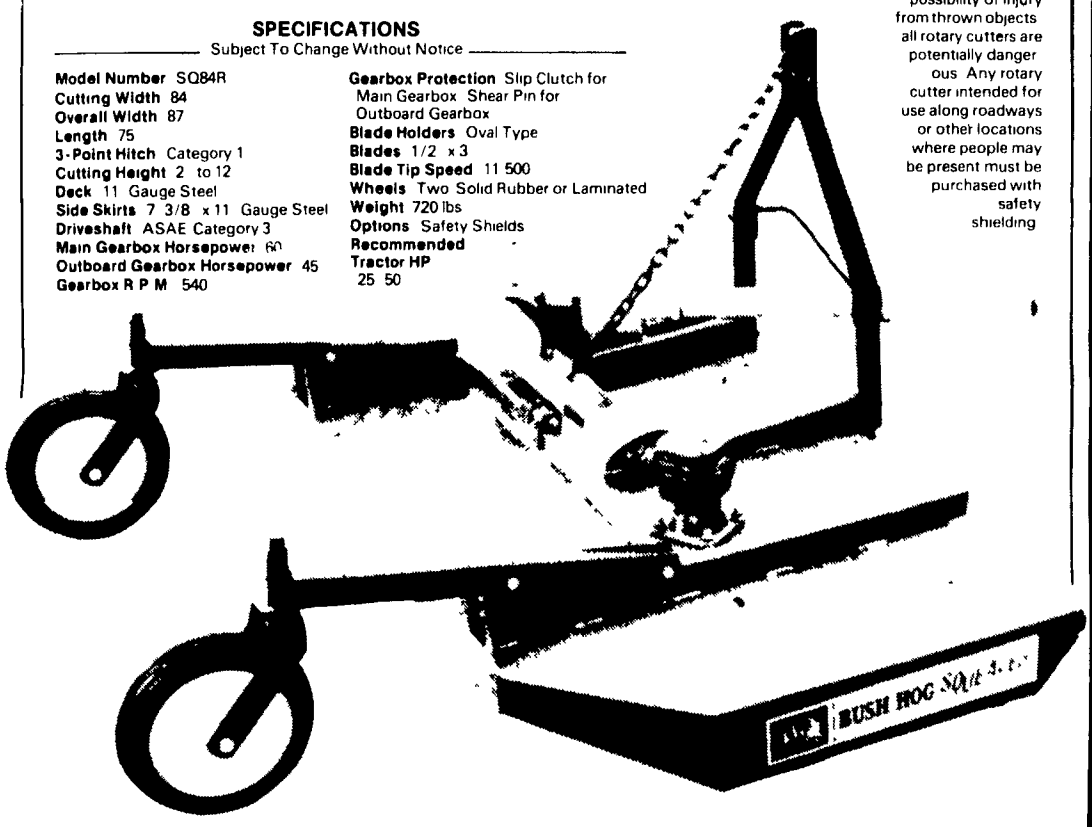
**Cutting Width** 84
**Overall Width** 87
**Length** 75
**3-Point Hitch** Category 1
**Cutting Height** 2 to 12
**Deck** 11 Gauge Steel
**Side Skirts** 7 3/8 x 11 Gauge Steel
**Driveshaft** ASAE Category 3
**Main Gearbox Horsepower** 60
**Outboard Gearbox Horsepower** 45
**Gearbox R P M** 540
**Gearbox Protection** Slip Clutch for Main Gearbox Shear Pin for Outboard Gearbox
**Blade Holders** Oval Type
**Blades** 1/2 x 3
**Blade Tip Speed** 11 500
**Wheels** Two Solid Rubber or Laminated
**Weight** 720 lbs
**Options** Safety Shields
**Recommended Tractor HP** 25 50

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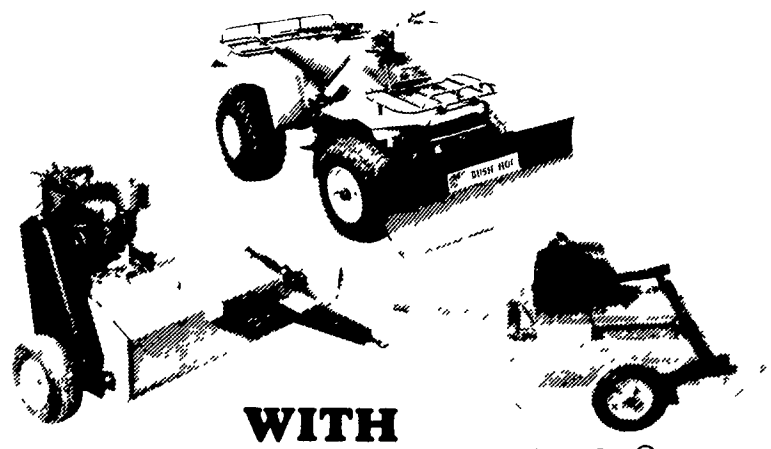

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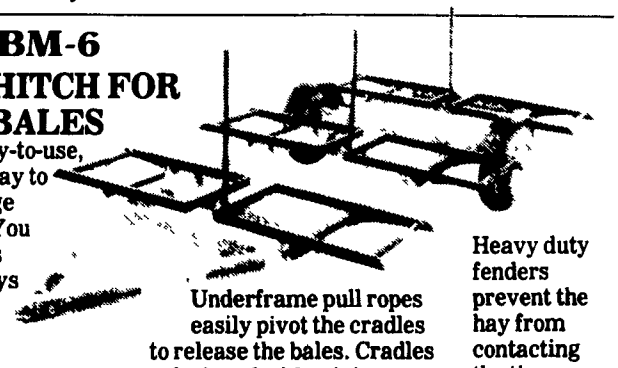
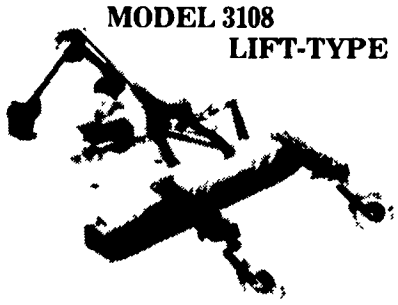


Heavy duty fenders prevent the hay from contacting the tires.

Underframe pull ropes easily pivot the cradles to release the bales. Cradles are designed with minimum pressure on the latches — most of the weight is carried on the steel frame.

## 3108 SERIES

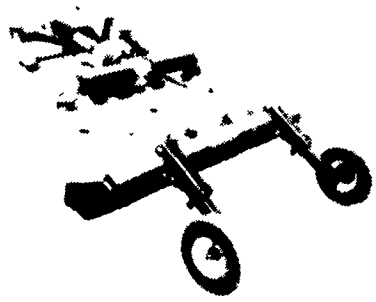
MODEL 3108 LIFT-TYPE



Cutting Width . . . . . 108"
Transport Width . . . . . 113"
Cutting Height . . . . . 1" to 14"

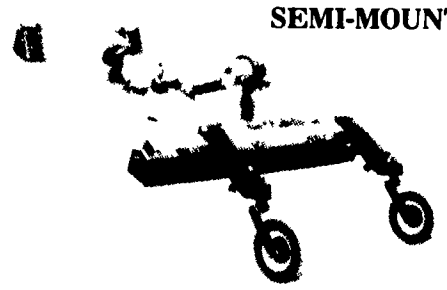
## 3126 SERIES

MODEL 3126 PULL-TYPE



Cutting Width . . . . . 126"
Transport Width . . . . . 131"
Cutting Height . . . . . 1" to 14"

MODEL 3126 OFFSET SEMI-MOUNT



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# Shade Structures Minimize Heat Stress Production Losses

YORK — As the dog days of summer continue, keeping cows cool becomes an increasing priority to prevent a drop in milk production.

Cows responded well to an economical shade building in experiment in Florida. Through experiments with various cooling methods, Dr. Dennis Buffington found that shade buildings effectively diminished heat stress milk reductions.

At a recent York County Extension meeting, Buffington, the new head of the Penn State Department of Agriculture engineering, discussed the findings of his Florida experiments of working with animals and hot weather. He was quick to note that, "The jury is still out on what methods would or wouldn't work here in Pennsylvania."

"You need to listen to your animals," Buffington said when determining the best way to increase their comfort. They will seek shade and water to stand in during hot weather. He illustrated this point with a unposed slide where cows had found a 2-by-6 board casting a shadow. The cows stood so that the shadow covered their eyes.

During the course of Buffington's Florida experiments, he worked with an air conditioned barn, a simple shade structure, a device which cooled the head and neck of a cow, and shade cloths.

All four systems reduced heat stress and maintained production, however, the shade structure proved to be the simplest and most economical.

Buffington listed seven major design parameters to consider when building a shade structure.

In Florida he found a east-west orientation provided the optimum amount of shade throughout the entire day. He hesitated about making that recommendation for Pennsylvania due to winter conditions. Enough sunlight would need to enter the building during winter months to dry the floor and prevent freezing if the structure is in an all-weather lot.

He also recommends providing a minimum of 50 square feet per cow. An adequate amount of space prevents overcrowding. Buffington explained that one farmer in Florida followed this guide and discovered that the shade structure worked well. The farmer then added more cows to the structure without increasing the amount of space. With the overcrowding, and built up body heat, heat stress returned.

Air movement is a consideration which can be handled by using a minimum height of 12 feet. A smaller height limits the natural air flow and creates an infrared heat effect.

Another way to increase air flow is through air vents. Buffington noted one farmer built a shade structure without including roof vents and the cows refused to use it. The farmer built an additional structure which had the benefit of roof vents; the cows then used the new shade building.

To reduce the amount of infrared heating two additional options are available, use of a white or reflective coating on the exterior of the roof and insulation on the interior. Buffington expressed reservations on the use of insulation, since in Florida, birds picked away 30 percent of the insulation in 2 years.

Inside the shade area food and water must be available. "I don't think I can emphasize this point enough. If given the choice of eating or staying cool, cows will stay cool," Buffington explained.

He suggested feeding the bulk of the ration at night or in the evening to maintain consumption as well as providing enough good feed and adequate bunk space.

When planning the shade structure, consideration must also be given to a waste management system that follows the guides of the locality and is the best system for the entire operation.

The most effective shade structure that Buffington found in his experiments was a solid roof of either aluminum or galvinized metal with a white exterior. Shade clothes or slated fence do not provide as much shade. Also a corregated metal roof, while economical, doesn't reduce heat a effectively.

Other options include addin more fans to increase air flow however, Dr. Bob Graves of th Penn State Agricultur Engineering department cautioned against using fans as cure-all. He noted that fresh mus be coming into the barn or els stale air circulates, possibl spreading air borne disease fro one end of the barn to the other. H advised opening the barn prior t adding fans.

A misting system is possibility yet, Buffington suggested both fans and misting should be done i addition to shade and should not b looked at as the final solution t solving summer heat stress.

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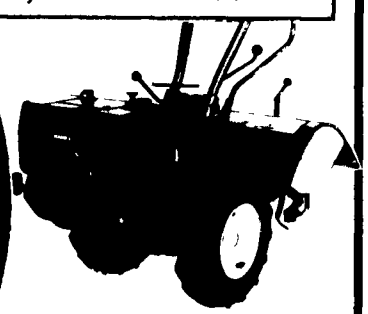

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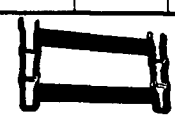
MANURE SPREADER CONVEYOR CHAINS

| MAKE | MODEL | APRON PRICE PINTLE CHAIN | APRON PRICE T-BAR CHAIN |
|---|---|---|---|
| ALLIS | 281 1405 | 300 20 | 295 46 |
| CHALMERS | 290-1805 | 344 36 | 340 80 |
| BADGER | 100 | 311 14 | 304 86 |
| BADGER | 150 | 339 72 | 334 00 |
| BADGER | 180 | 359 72 | 350 08 |
| BADGER | 200 | 328 04 | 315 66 |
| BADGER | 205 | 408 64 | 394 80 |
| BADGER | 3210 | POR | POR |
| BADGER | 3300 | POR | POR |
| BADGER | 3330 | POR | POR |
| BALZER | 340 | POR | POR |
| BALZER | 410 | POR | POR |
| BALZER | 440 | POR | POR |
| BALZER | 515 | POR | POR |
| BALZER | 700 | POR | POR |
| CASE | 180 | 377 04 | 370 10 |
| GEHL | 180 | 339 04 | 335 34 |
| GEHL | 250 | 408 10 | 386 92 |
| GEHL | 350 | 368 65 | 324 48 |
| H&S | 180 | 366 84 | 353 84 |
| H&S | 220 | 366 84 | 353 84 |
| H&S | 295 | 490 10 | 482 88 |
| H&S | 350 | 530 20 | 511 18 |
| INT HARV | 40 | 344 68 | 351 20 |
| INT HARV | 101 102 103 | 231 36 | 228 34 |
| INT HARV | 150 155 160 | 344 66 | 351 20 |
| INT HARV | 275 | 368 18 | 353 84 |
| INT HARV | 320 | 361 67 | 383 84 |
| INT HARV | 530 | 309 90 | 317 76 |
| INT HARV | 540 | 397 90 | 367 76 |
| INT HARV | 560,566 | 469 66 | 426 38 |
| INT HARV | 560 | 566 08 | 508 52 |
| INT HARV | 570 | 387 10 | 235 88 |
| INT HARV | 575 | 378 08 | 303 92 |
| INT HARV | 580 | 336 39 | 373 12 |
| INT HARV | 586 | 484 80 | 388 76 |
| JOHN DEERE | 33 | 272 37 | 285 60 |
| JOHN DEERE | 34 | 347 14 | 380 36 |
| JOHN DEERE | 40 | 354 40 | 311 22 |
| JOHN DEERE | 44 | 408 78 | 347 52 |
| JOHN DEERE | 680 | 538 80 | 394 84 |
| JOHN DEERE | 680 | 513 83 | 403 72 |
| KASTEN | 175 | 342 48 | 338 72 |
| KASTEN | 250 | 415 10 | 425 08 |
| KASTEN | 270 | 385 30 | 400 32 |
| KASTEN | 325 | 496 40 | 490 96 |
| KNIGHT | 180 | 364 92 | 354 56 |
| KNIGHT | 250 252 | 398 48 | 403 68 |
| KNIGHT | 350 | 337 08 | 334 48 |
| KNIGHT | 410 | 398 28 | 371 28 |
| KNIGHT | 500 | 396 04 | 391 44 |
| MASSEY FERG | 130 130 | 286 20 | 287 12 |
| MASSEY FERG | 160 | 295 82 | 308 00 |
| MASSEY FERG | 205 | 383 72 | 394 80 |
| MASSEY FERG | 721 | 350 80 | 353 44 |
| MASSEY FERG | 724 | 383 92 | 408 42 |
| MASSEY FERG | 727 | 443 92 | 439 44 |
| MEYERS | 125-A | POR | POR |
| MEYERS | 145-A | POR | POR |
| MEYERS | 180-A | POR | POR |
| MEYERS | 225-A,300-A | POR | POR |
| MEYERS | 360-A | POR | POR |
| NEW HOLLAND | 230 302,220 | 263 14 | 383 70 |
| NEW HOLLAND | 221,222 | 263 14 | 382 70 |
| NEW HOLLAND | 213 | 243 96 | 237 84 |
| NEW HOLLAND | 300 336 | 291 24 | 297 30 |
| NEW HOLLAND | 470,475 | 373 16 | 383 30 |
| NEW HOLLAND | 510 511 512 | 306 78 | 306 88 |
| NEW HOLLAND | 513 | 318 76 | 313 04 |
| NEW HOLLAND | 516 517 518 | 373 36 | 360 32 |
| NEW HOLLAND | 519 | 385 08 | 393 84 |
| NEW HOLLAND | 675 676 677 | 497 80 | 484 64 |
| NEW HOLLAND | 679 | 523 99 | 464 00 |
| NEW HOLLAND | 780 | 816 22 | 573 40 |
| NEW HOLLAND | 791 | 874 28 | 640 28 |
| NEW HOLLAND | 800 | 488 14 | 404 72 |
| NEW IDEA | 211 | 237 28 | 234 50 |
| NEW IDEA | 212 | 291 70 | 292 04 |
| NEW IDEA | 213 217 | 356 12 | 351 28 |
| NEW IDEA | 214 | 398 66 | 408 80 |
| NEW IDEA | 218 | 527 44 | 479 64 |
| NEW IDEA | 224 | 539 60 | 544 32 |
| NEW IDEA | 243 | 411 88 | 374 64 |
| NEW IDEA | 244 | 527 44 | 479 64 |
| NEW IDEA | 245 | 539 60 | 544 32 |

FORAGE BOX CONVEYOR CHAINS

| MAKE | MODEL | APRON PRICE PINTLE CHAIN | APRON PRICE T-BAR CHAIN | PRICE PINTLE CROSS-CONVEY CHAIN |
|---|---|---|---|---|
| BADGER | 840 | POR | POR | POR |
| BADGER | BN960 14 | 333 12 | 316 14 | 196 12 |
| BADGER | BN960 16 | 372 72 | 360 98 | 196 12 |
| BADGER | 1060 | POR | POR | POR |
| BALZER | 5014 | POR | POR | POR |
| BALZER | 6514 | POR | POR | POR |
| BALZER | 6516 | POR | POR | POR |
| BALZER | 8516 | POR | POR | POR |
| DANCO | 14 | POR | POR | POR |
| DANCO | 16 | 372 88 | 397 38 | POR |
| DION | Forage Box | POR | POR | – |
| GEHL | 80 81 82 | 299 66 | 313 68 | 193 40 |
| GEHL | 83 84 86 | 299 66 | 313 68 | 193 40 |
| GEHL | 610 640 14 | 338 80 | 366 86 | – |
| GEHL | 610 640 16 | 389 70 | 423 52 | – |
| GEHL | 620 630 14 | 348 80 | 376 86 | – |
| GEHL | 620 630 16 | 399 70 | 433 52 | – |
| GEHL | 700 710 810 | 305 58 | 323 04 | 185 73 |
| GEHL | 910 920 14 | 308 63 | 323 04 | 185 73 |
| GEHL | 910 920 16 | 334 48 | 353 92 | 185 73 |
| GEHL | 940 960 14 | 308 63 | 323 04 | 185 73 |
| GEHL | 940 960 16 | 334 48 | 353 92 | 186 73 |
| H&S | Loadmaster XL14 | POR | POR | – |
| H&S | Loadmaster XL16 | POR | POR | – |
| H&S | Loadmaster XL18 | POR | POR | – |
| H&S | H&S 500 14 | POR | POR | 198 30 |
| H&S | H&S 500 16 | POR | POR | 198 30 |
| INT HARV | 51 14 | 373 60 | 421 14 | POR |
| INT HARV | 51 16 | 422 98 | 476 62 | POR |
| INT HARV | 61 | POR | POR | – |
| INT HARV | 106 110 14 | 302 91 | 343 36 | – |
| INT HARV | 105 110 16 | 341 87 | 386 72 | – |
| INT HARV | 120 14 | 311 71 | 349 14 | – |
| INT HARV | 120 16 | 351 71 | 393 18 | – |
| INT HARV | 130 15 | 330 14 | 369 48 | – |
| INT HARV | 130 18 | 397 56 | 445 80 | – |
| JOHN DEERE | 110 | POR | POR | POR |
| JOHN DEERE | 112 | 286 90 | 314 82 | POR |
| JOHN DEERE | 115 | 365 42 | 388 50 | POR |
| JOHN DEERE | 122 | 286 90 | 314 82 | POR |
| JOHN DEERE | 125 | 365 42 | 388 50 | POR |
| JOHN DEERE | 214 14 | 311 64 | 331 74 | 199 20 |
| JOHN DEERE | 216 16 | 394 56 | 417 00 | 199 20 |
| JOHN DEERE | 714 14 | 337 24 | 362 94 | 197 50 |
| JOHN DEERE | 716 16 | 390 30 | 415 56 | 197 50 |
| KASTEN | Kwik Load 20 14 | 323 86 | 320 58 | – |
| KASTEN | Kwik Load 20 16 | 376 38 | 401 76 | – |
| KASTEN | 21 14 | 307 83 | 330 48 | – |
| KASTEN | 21 16 | 349 30 | 376 20 | – |
| KASTEN | Power Box 14 | 323 86 | 320 58 | – |
| KASTEN | Power Box 16 | 376 38 | 368 16 | – |
| KNIGHT | 14-7 | 286 90 | 309 90 | 198 75 |
| KNIGHT | 17 7 | 357 72 | 383 58 | 198 75 |
| KNIGHT | 20-7 | 414 82 | 447 18 | 198 75 |
| KNIGHT | Barge Box 15 | 357 72 | 383 58 | – |
| KNIGHT | Barge Box 18 | 414 82 | 447 18 | – |
| LAMCO | Rex 14 | 311 71 | 349 14 | POR |
| LAMCO | Rex 16 | 351 71 | 393 18 | POR |
| MEYERS | 416 14 | POR | POR | POR |
| MEYERS | 418 14 | POR | POR | POR |
| MEYERS | 516 14 | POR | POR | POR |
| MEYERS | 518 16 | POR | POR | POR |
| MEYERS | 600 16 | POR | POR | POR |
| MEYERS | 600 18 | POR | POR | POR |
| NEW HOLLAND | 3 | 473 94 | 446 04 | POR |
| NEW HOLLAND | 6 | 544 90 | 514 08 | POR |
| NEW HOLLAND | 8 | 360 68 | 380 82 | POR |
| PAPEC | 140 | 323 86 | 322 26 | – |
| PAPEC | 160 | 376 38 | 391 50 | – |



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|---|---|
| T67 Plain Link | 75 link |
| T-67 Attachment Link | 1 49 link |

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| Chain No. | Chain Pitch | Cottered | Riveted |
|---|---|---|---|
| 35 | 3/8 | – | 63 |
| 40 | 1/2 | – | 86 |
| 50 | 5/8 | – | 1 19 |
| 60 | 3/4 | 1 88 | 1 42 |
| 80 | 1 | 3 13 | 2 89 |
| 100 | 1¼ | 5 98 | 5 71 |
| 120 | 1½ | 8 54 | 8 19 |

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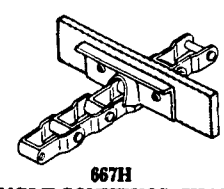

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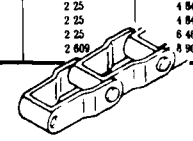
| MAKE | PART NO | MODEL NO'S | PRICE |
|---|---|---|---|
| ALLIS CHALMERS | 536109 | 2A 3E 2N 3A 3N 4C A430 E430 C820 C830 H330 E330 C430 C630 C435 H240 E240 C440 | 25 12 |
| | 561238 | FLA30-G1A40 | 26 40 |
| | 573640 | 1973-78 Low Profile | 32 28 |
| | 574780 | All models 1977 79 Heads | 35 84 |
| JOHN DEERE | AN102009 | 243 244 343 344 443 444 543 546 642 643 644 645 842 843 | 31 00 |
| | AN102009 | 243 244 343 344 443 444 543 546 642 643 644 645 842 843 | 31 00 |
| INT HARV | 176-279 C91 | All 800 Series Heads 823 824 833 834 843 844 853 854 863 864 873 874 883 | 31 00 |
| MASSEY FERG | 241-090-M1 | 22 321 322 33 421 422 43 63 621 | 29 84 |
| OLIVER & MINN MOLINE | 511142F | 522 525 531 535 541 544 545 555 561 H942 H944 H963 H954 | 44 64 |
| AVCO-NEW IDEA | 713167R | 723 724 725 726 | 44 20 |
| WHITE FARM EQ | 713168R | 723 724 725 726 | 44 20 |
| | 31 1589933 | 702 703 704 706 706 | 29 86 |

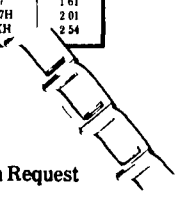
PINTLE CHAIN

| CHAIN NO | PITCH | PRICE PER FT |
|---|---|---|
| 662 | 1 664 | 3 44 |
| 667H | 2 313 | 3 34 |
| 667J | 2 25 | 4 84 |
| 667X | 2 25 | 4 84 |
| 667K | 2 25 | 6 46 |
| 88K | 2 609 | 8 90 |



STEEL DETACHABLE CHAIN

| CHAIN NO | PRICE FT |
|---|---|
| 25 | 82 |
| 32 | 83 |
| 42 | 1 05 |
| 45 | 99 |
| 52 | 1 21 |
| 55 | 1 12 |
| 62 | 1 51 |
| 62H | 1 85 |
| 67 | 1 61 |
| 67H | 2 01 |
| 67XH | 2 54 |



AGRICULTURAL ROLLER CHAIN

| CHAIN NO | PRICE/FT |
|---|---|
| A2040 | 95 |
| C2040 | 1 12 |
| A2050 | 1 18 |
| C2050 | 138 |
| A2060 | 1 84 |
| C2060H | 2 83 |
| A550 | 3 78 |
| CA550 | 3 78 |
| CA555 | 3 78 |
| A620 | 4 46 |
| CA620 | 4 46 |

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| MODEL | N.H. PART NO | PRICE |
|---|---|---|
| 845 | 704545 | 375 60 |
| 846 & 847 | 634335 | 398 68 |
| 849 | 273260 | 509 94 |
| 850 | 679303 | 467 77 |
| 851 & 852 | 679768 | 570 80 |
| 855 | 786717 | 936 00 |

NEW HOLLAND BALER FLOOR CHAINS

| NH NO | CHAINVATT | PRICE |
|---|---|---|
| 268/66 | CA550/C3F | 57 65 |
| 714619 | CA550/C3F | 53 96 |
| 710395 | CA550/C3EB | 80 43 |
| 718096 | CA550/C3EB | 68 85 |

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# Shirk Celebrates 25 Years With Extension

UNIVERSITY PARK, PA — Glenn A. Shirk is celebrating 25 years of service with Penn State's Cooperative Extension Service.

As extension dairy agent for Lancaster County, he develops educational programs and materials for area dairy farmers, agribusinesses and 4-H dairy club members.

"I try to put myself in the shoes of the people I serve," explains Shirk. "Their concerns are my concerns. This includes dairy herd management, the production and storage of field crops, farm business management, milk marketing, dairy engineering, governmental policies, family goal setting, and helping families get in and out of dairying. If a farmer is weak in any one of these areas, chances are the farm is in trouble."

"An important part of what I do is provide information to the 1,800 dairy farmers in Lancaster County to help them improve farm profits, production efficiency, and stay competitive."

"Equally important is providing information to agribusinesses so they can give their client farmers the best services possible. Developing software programs that help him advise farmers is something else Shirk finds "very challenging."

According to Shirk, farms in the future will be larger and more sophisticated. They will need more technical and more individualized service. Farmers will rely more on the services of consultants who specialize in nutrition, crop production, financial management, genetics, and engineering. "Extension agents will continue to be a very valuable source of unbiased information. Our main mission is to provide education as opposed to individualized service," he says.

In a county as large as Lancaster, Shirk says, "it's impossible to work with all the farmers individually." Nevertheless, he feels farm visits are important. "They keep me in touch with reality. What I learn from one farm, I share with others."

He relies heavily on the use of mass media and educational meetings to get information to more people. In addition to occasional newsletters, he develops three radio programs a week (carried by six regional stations), writes a weekly column for local papers, and a monthly column for Lancaster Farming and Farmshine.

Because of the county's fine reputation as an agricultural area and its close proximity to Washington, Shirk gets numerous requests to host farm tours for visiting dignitaries. "Visits let us showcase local agriculture, learn what other people are doing, and possibly expand our markets," says Shirk. "They also recognize local farmers and industries for the good job they do."

Glenn A. Shirk

"I was a 4-H member, and during my 25 year career, I have devoted many rewarding hours to 4-H club work. 4-H has meant a lot to me. it's a thrill to see young people develop into responsible adults and to think that you may have had a small part in this development." However, he says 4-H has competition. Young people today are busy and as economic pressures have forced farms to get larger, the demands on family time are greater.

While extension work wasn't his specific goal in college, his two summers as a junior assistant county agricultural agent in Huntingdon and Mifflin counties gave him his first taste of life as an agent. "I was raised on a dairy farm here in Lancaster County, but the farm wasn't big enough for all of us. I decided college would be my route to staying in agriculture."

Shirk received his bachelor's degree in 1959 and his master's degree in 1961, both in dairy science from Penn State. He accepted his first post as assistant county agent in Somerset County in 1961. He served with the Army in Germany from 1961 to 1963 when he returned to extension as assistant county agent in Snyder County. In 1974 in Chester County, he advanced to county agent, and in 1979 Shirk returned to Lancaster County, and was named senior county agent.

He is vice president of the Pennsylvania Association of County Agricultural Agents and served as its membership secretary for many years. In 1981 he received the Pennsylvania Dairymen's Association Extension Award. Shirk is a member of Alpha Zeta agricultural fraternity, Coaly Society, Penn State's agricultural honor society, and Gamma Sigma Delta, the national agricultural society.

His wife, Carol Lee, is a competitive roller skater and recently qualified for national competition in Indianapolis. She practices figure and dance skating at the Overlook Skate Club in Lancaster. Raised on a dairy farm and active in 4-H acitivies, she met Shirk while he was working in Chester County.

When not involved in extension, Shirk enjoys lake and bay fishing and traveling nearly anywhere. His next trip will be to the National County Agents meeting this summer in Colorado when he plans to take a few extra days to enjoy the mountains.

(Agricultural Communications - Penn State College of Agriculture)

# Iron Can Be A Nuisance

Iron can be a major nuisance in private water supplies. It gives water a bitter, metallic taste, stains clothes and fixtures, and promotes the growth of iron bacteria slimes in plumbing. If you've been battling any of these problems, you can get help at Penn State's Ag Progress Days, Aug. 19-21.

A family living exhibit in the College of Agriculture Building will have information on a number of treatments now available for removing iron. "Depending on whether your iron is oxidized or reduced, you can use a water softener, polyphosphates, oxidation followed by filtration, or an oxidizing filter system," says Nancy Frazier Wagner, extension regional program leader in home economics at Penn State's Altoona Campus and exhibit coordinator. Extension home economists at the booth will help you with your questions and may refer you to the agricultural engineers.

Other water quality exhibits, designed and staffed by College of Agriculture faculty and extension agents, will be displayed throughout the three day exposition.


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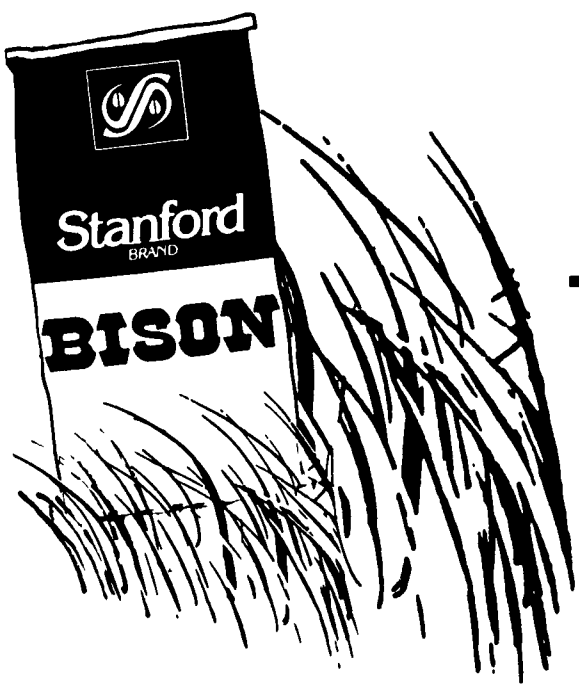


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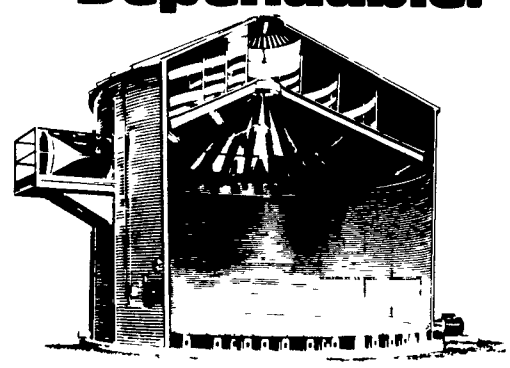

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# Butler Appointed Peace Corps Recruiter At Penn State

UNIVERSITY PARK, Pa. – William Butler, a research coordinator for Penn State's Office Of University Development and a Ph.D. candidate in the Department of Agricultural and Extension Education, has been appointed Peace Corps recruiter in the College of Agriculture, beginning Aug. 1.

Butler plans to recruit volunteers from Penn State's commonwealth campuses as well as from University Park. "I also plan to recruit from the community." The Peace Corps is interested in people with technical skills in agriculture, engineering, nutrition, health, and in the sciences in general.

"I'm happy to talk to school, community or professional organizations and to any individuals who are interested in the Peace Corps or in international development issues," he says. Among colleges and universities, Penn State ranks eighth in the nation as a source of Peace Corps volunteers.

Butler can be reached throught the Office of International Agricultural Programs at Penn State at (814) 863-0249.

A Peace Corps volunteer from 1979 to 1981 in Cameroon, West Africa, Butler was an extension agent for warm-water inland fish culture, assigned to the Tuba Rural Council in Northwest Province in Cameroon.

"I worked in all aspects of fish culture from choosing and constructing a pond site to managing, harvesting and marketing," he says. Tilaplia, Israel Carp and a catfish called Clarius are the principal commercial fish, which were sold at pond-side or in local markets. "Mixing Clarius and Tilapia turned out to be a good management choice because the Clarius, which is extremely predatory, kept the tilapia, which reproduce rapidly, in check. Grown together, farmers had two marketable fish."

Once he finishes his doctorate, Butler hopes to return to Africa in some area of rural development. "I'd like to return in a field position with direct contact with the rural population," he says.

Butler received his B.S. in biology in 1978 and his M.A. in education theory and policy in 1984, both from Penn State. He also took a concurrent degree for certification in secondary school biology and general science.

Butler replaces Barbara Porter, who has accepted a Rotary Foundation Scholarship for International Understanding and will work in Ethiopia this year before beginning veterinary school at Michigan State in 1987.

(Penn State College of Agriculture, Agricultural Communications)

# *Farm Bureau Pamphlet Reveals Food Cost Breakdown*

PARK RIDGE, Ill. – America's farmers get 25 cents of every dollar spent on food. The remaining 75 cents goes to pay the marketing bill, according to a new pamphlet issued by the American Farm Bureau Federation.

"The largest portion of the marketing bill is labor," said Marsha Purcell, women's program coordinator, "accounting for 34 cents of every dollar spent at supermarkets and restaurants. Eight cents of every dollar pays for packaging. Other costs include transportation, business overhead and advertising."

Using the latest USDA figures, the pamphlet offers brief analyses of the price breakdown for various commodities. "Chicken, for example, was selling for 76.3 cents a pound at the time the figures were compiled. The farmer who raised the chicken got 40.2 cents. The retailer received 19.1 cents, the processor got 9.3 cents while transportation and wholesaling cost 6.1 cents and assembly and procurement got the remaining 1.6 cents," Purcell said.

Other products examined in the brochure are beef, pork, eggs, bread (a 55-cent loaf contains 4.1 cents worth of wheat), milk, processed tomatoes (a 51.5 cent can of tomatoes contains less than 5 cents worth of tomatoes) and fresh oranges.

According to Purcell, the handout will be used by Farm Bureau women's committees throughout the country as part of the "Ag in the Classroom" program. "In addition to the breakdown of food costs, there is also a comparison of food costs in eight nations around the world," she said. "We think this graphic illustration will help non-farm school children learn a little bit more about food and where it comes from."


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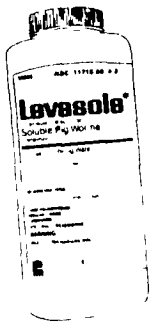


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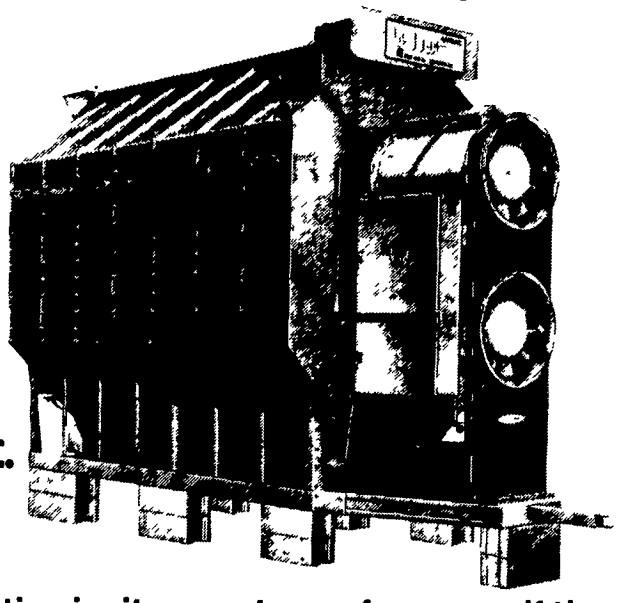

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# Renting Cropland: Know What You're Getting Before You Sign

NEWARK, Del. – Now is an excellent time for farmers to survey fields for potential production problems and to evaluate the yield potential of rented land.

"Anyone who rents or is considering renting farmland should carefully evaluate every field before making a deal to re-rent or to add more land to their operation," advises University of Delaware extension agricultural agent Derby Walker.

The first step in evaluation is to identify the noxious weed problems like johnsongrass, giant ragweed, burcucumber or Canada thistle. By law, these weeds must be controlled in Delaware. But, says Walker, several other plants–including spurred anoda, horsenettle, shattercane, cocklebur and triazine-resistant weeds–are also very difficult to control in cropland.

"If your farm has a serious problem-weed infestation which will require special treatment for control, this will increase your production costs," the extension agent warns. "For example, if it normally costs you $145 an acre to grow soybeans and the rent is $50, a weed problem that costs $10 extra to control could boost your production costs from a normal $195 to $205 an acre."

Other problems to look for when evaluating a field for possible rental are signs of nutritional deficiency, nematodes and soil-borne disease. "It's especially easy to spot these areas in soybean fields," Walker says. "At this time of year, the indicators usually are off-colored or stunted beans. Find out what's causing these spots. Sometimes you can tell by looking at the plants; other times, a soil sample and/or nematode test must be taken."

A field that's infested with soybean cyst nematodes can greatly alter cropping altneratives by limiting production to resistant soybean varieties and a crop rotation program to prevent yield losses. Nutritional problems will mean spending extra dollars to correct the deficiency and bring the field up to par.

Something else to look for in rented soybean fields is any symptom of Fusarium root rot or other soil-borne disease. These diseases often don't show up until late in the season when bean plants start to die. Sometimes entire parts of a field will be almost totally wiped out.

"If there's root rot in a field," Walker says, "it's better not to plant soybeans there. Or try a resistant variety. However, fields that have been planted continously in beans for several years may have so many disease organisms, that even resistant varieties will fail."

Because such production problems are common on the Delmarva peninsula, the county agent advises growers to evaluate field-by-field the land they plan to till. Just one field with a serious problem can threaten the profitability of an entire farm operation.

"If you're renting a piece of land now and encounter serious problems which boost your production costs by $10 to $20 per acre," Walker says, "ask yourself: Can I afford to till that field?" If production costs rise beyond the possibility of making a profit, that piece of ground is a guaranteed loss.

"Today," he says, "you can't afford to plant a crop into a field where you know you can't expect a return over cost because of a nematode infestation, nutritional imbalance of serious weed or disease problem. If, on the other hand, you have options which can help increase your chances of making a profit, take advantage of them."

Farmers must also evaluate rental land for its yield potential. Some fields in Sussex County, for example, are so sandy that only small grains or soybeans can be profitably grown. Corn yields are just too low to break even unless irrigated.

"If the land won't normally produce acceptable yields," Walker says, "don't cash rent it. Even on a share-a-crop basis you must know your production costs so you aren't paying rent without the opportunity for a return on your investment. Some farmers have now gone to a sliding rent scale. The fee changes with both the yield and price at harvest."

It doesn't take very long to evaluate a farm for its rental potential, Walker says. "Basically it's a matter of looking over the land, making notes as you go, jotting down your production costs, adding a rental value plus any additional expenses imposed by special problems, and then determining what you feel is a legitimate yield potential for the farm. If you know the market value of the crop you plan to grow, it isn't hard to figure out whether you can afford to rent that piece of ground under that particular cropping system."

With $2 corn and $5 soybeans, it takes a sharp farm manager to stay in business, the county agent concludes. "The cheaper you can produce a bushel, the more likely you can survive these tough times," he says. "Everything must be done right the first time, if you hope to make a profit. If the rent's too high for the productive potential of the land, you won't make it. Till only land that gives you the opportunity to make a profit."

## Water Testing Information Available

Penn State extension water specialists have prepared timely information on the whys and wheres of having your water tested and will have that information at the College of Agriculture Building at Ag Progress Days, August 19-21.

Pennsylvania has more than 100 laboratories that check private water supplies for bacteria and a number of labs that analyze drinking water for metals, minerals, pesticides, organics and even radioactive substances. For a list of what types of tests are available and which laboratories in your county provide the services you need, pick up a list at the "Water Quality in Your Home" exhibit in the College of Agriculture Building.

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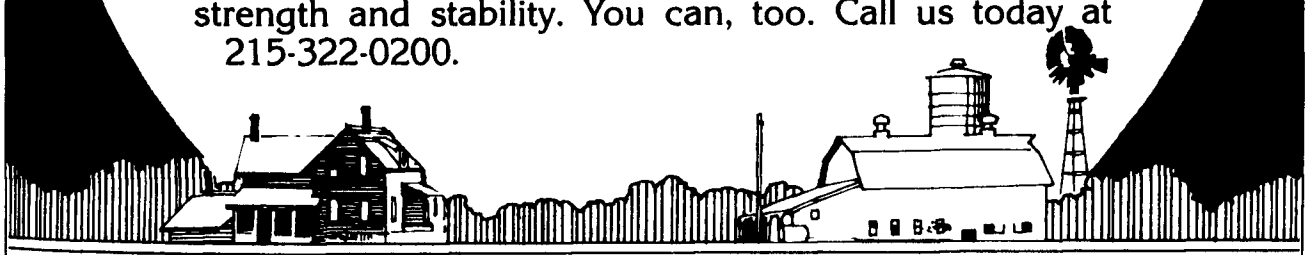

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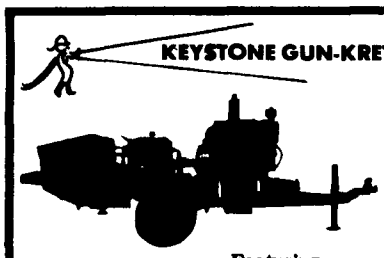

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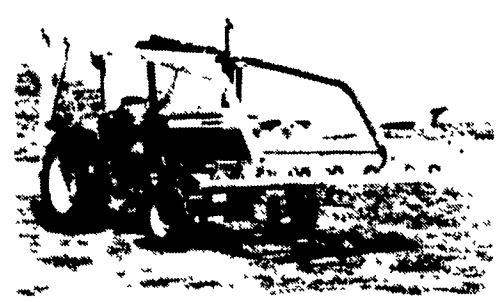

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# Many State Poultry Projects Get Adequate Funds

The Pennsylvania poultry industry saw most of its projects receive adequate funding in the new version of the Pennsylvania General Fund Budget while another major item was included in the capital budget.

The new $9.7 billion spending plan was signed by Governor Thornburgh one day after the 1985-86 fiscal year expired. Under the bill, General Fund spending will be up 3.4 percent from last year.

On the agricultural side, the Pennsylvania Department of Agriculture received slightly over $16 million for its operations throughout the year. Items directly affecting the poultry industry include: $189,000 for the operation of poultry diagnostic labs, an increase of $20,000 over last year; $150,000 for the continuation of the poultry surveillance program, funds which were not included in last year's budget; $200,000 for field investigative units, an increase of $17,000 and $350,000 animal indemnities, a figure which can be supplemented as needed by the Pennsylvania General Assembly.

Animal research, which includes research on avian influenza and other poultry diseases, received a whopping increase of 36.6 percent, from $732,000 to one million dollars.

The state's veterinary schools received a six percent increase to slightly over $6.7 million. The New Bolton Center (University of Pennsylvania) received $841,000 for construction of a Center for Animal Health, $541,000 for renovations, $290,000 for construction of a computer center and $142,000 for the completion of a poultry biohazard facility, where transmissable diseases can be studied safely.

The sum of $18 million was included in the capital budget for renovations to facilities of the College of Agriculture at Penn State. Included in the overall renovation project were plans to build a new poultry research facility on the outskirts of campus. The project was to be funded by an additional $18 million from the federal government.

Unlike items in the General Fund Budget, however, only some items in the Capital Budget eventually receive funding. The Capital Budget is, more or less, just a list of projects that are in need of funding. The list includes state owned buildings, parks, and roads that are not considered to be top priority.

One item that did not get funded was a request for $5 million by the College of Agriculture to offset cuts in federal research and extension funds called for in the Gramm/Rudman Act. However, it remains to be seen how the new ruling on Gramm/Rudman (see related story) will affect future research and extension funding by the federal government.

## *PSU Dairy Professor Named Chairman of Dairy Science Assoc. Division*

UNIVERSITY PARK – Dr. Lawrence D. Muller, professor of dairy science at The Pennsylvania State University, was named chairman of production division of the American Dairy Science Association. The appointment was announced at the association's annual meeting held recently in Davis.

Dr. Muller will serve for one year. The production division, one of two major divisions within the American Dairy Science Association, plans and conducts the annual meeting each year. He previously served as secretary and vice chairman of the production division.

Last year Dr. Muller received the National Ralston Purina Company Teaching Award for 1985, was honored for his excellence in teaching and counseling undergraduates by the American Dairy Science Association, and received an Excellence in Advising Award from the Penn State Undergraduate Student Government.

After receiving his bachelor's and master's degrees in dairy science from the University of Illinois and his Ph.D. in animal science from Purdue University, he taught at Purdue and South Dakota State University. He joined the Penn State faculty in 1976 and was named professor in 1980.

In addition to the American Dairy Science Association, Muller is a member of the American Institute of Nutrition, the American Forages and Grasslands Council and since 1983, he has been a member of the National Research Council Subcommittee on Dairy Cattle Nutrition.


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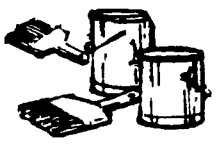

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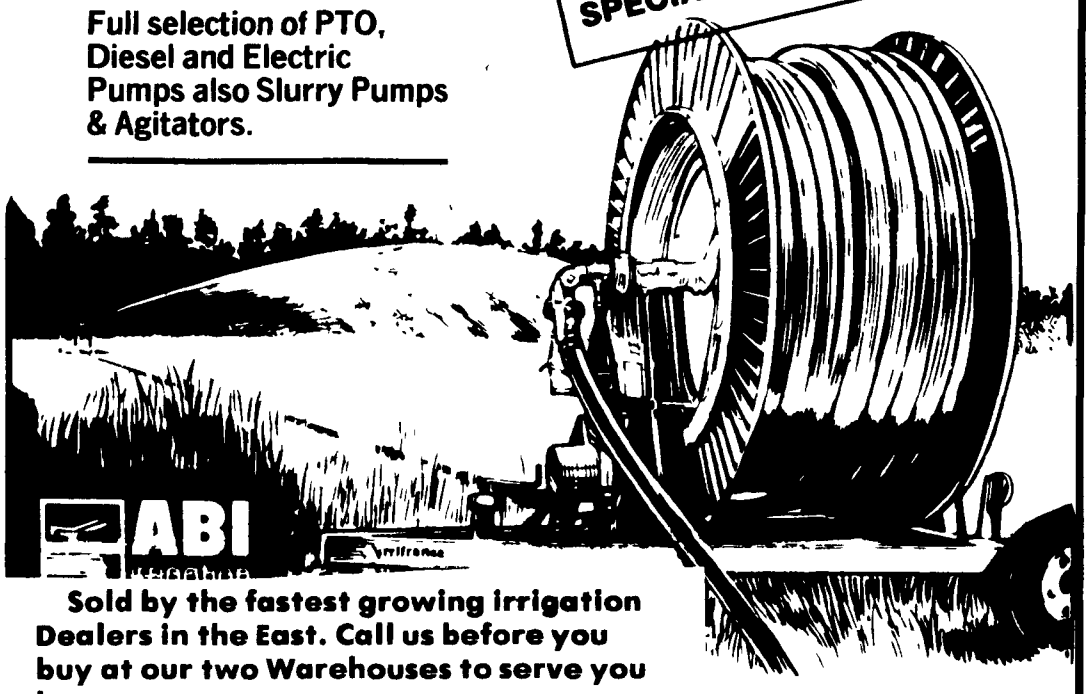


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# Exports Hold Key To Recovery, Say Former Ag Secretaries

ST. LOUIS, Mo. — Aggressive marketing and sales activities on a global level can snap U.S. agriculture out of its current slump, say four former U.S. Secretaries of Agriculture.

The four--Orville Freeman, Clifford Hardin, Earl Butz and John Block --agreed on at least that much during a panel discussion at the National Corn Growers Association annual meeting last month.

Freeman, now president of the Agriculture Council of America, called for a summit meeting of major agricultural importers and exporters, "to seek solutions to the depressed situation in agriculture, both in the United States and other countries."

Freeman noted that the current depressed agricultural industry and critical export situation were not new events. Methods that worked when he was Secretary of Agriculture 25 years ago can work today, he said.

He called for a globally coordinated program to ensure that food abundance is used more effectively to combat hunger and promote economic development in the world.

"Food can be used as a capital asset to build economies and, in the process, new commercial markets," Freeman said.

Similar policies in the 1950's and 1960's laid the foundation for prosperity in the 1970's, and hold primose to make the same impact today, he added.

Hardin aggred about the need for development of new export markets and was critical of U.S. policy which prohibits sale of Alaskan oil to export markets. It would be cheaper to sell Alaskan oil to Japan than ship it to the lower 48 states, Hardin said; the U.S. could buy oil from Mexico, bolstering that country's economy and providing it with funds to buy U.S. grain products.

Butz also agreed on the need for building new export markets and suggested it was time "to stop badmouthing agriculture. Food is fundamental to life and that's the business we're in," he said. "Nearly half the farmers are not in debt and are buying land," he added. "It's time to get our heads up and be positive about this industry."

Block also recognized the need for development of a global idustry and suggested U.S. farmers could meet those needs more efficiently by producing on the best land, using new technology. He suggested all support and subsidies gradually be phased out, "so farmers are making decisions based on markets and not on government signals."

# Sensor Detects Fertile Periods Electronically

WASHINGTON — An electronic sensor that can automatically tell dairy farmers when cows are ready to mate is more than 90 percent accurate in preliminary tests, said U.S. Department of Agriculture scientists. Farmers miss their cows' fertile periods approximately 50 percent of the time.

A plastic cylinder one-inch long and one-third inch wide, implanted near the cow's vaginal opening, sends a painless electrical signal to a computer when a cow is in heat. That signal is fainter than one most often used in pacemakers for human hearts, said animal physiologist Gregory S. Lewis of USDA's Agricultural Research Service.

Lewis, based at the agency's Beltsville, Md., Agricultural Research Center, said the experimental sensor also can detect pregnancy early and predict when a cow will give birth. If adopted commercially, he added, the sensor could help dairymen cut losses.

Over a year, the missed fertile periods can cost the dairymen an estimated $300 in semen and feed for each cow. A farmer tries to tell when a cow should be artifically inseminated by watching for changes in her behavior, such as restlessness.

According to Lewis, the new system's transmitter and wiring connected to the sensor are too bulky for use on farms, but could be made smaller as a commercial model. It could cost an estimated $20 to $100 per cow.

Lewis and Eliezer Alzinbud, an Israeli scientist, cooperated in developing the estrus detector in a joint project supported by the U.S.-Israel Binational Agricultural Research Development fun. Tests of the detector at Beltsville and in Israeli spanned four years, during which 25 cows were monitored.

Once implanted, the sensor measures the genital tissue's resistance to the slight electric pulse. When a cow is in heat, these tissues swell with water, making them less resistant to the current.

Electrodes at each end of the sensor detect the change as a sign that estrus has begun. A radio transmitter, wired to the sensor and strapped to the cow's back, send the signal to a computer.

The electrical pulse is one-twelfth of the five milliamp current most often used with human heart pacemakers, Lewis said. Alan Lefcourt, an agency biomedical engineer at Beltsville, said that cows show no muscular or nerve response to current up to five milliamps.


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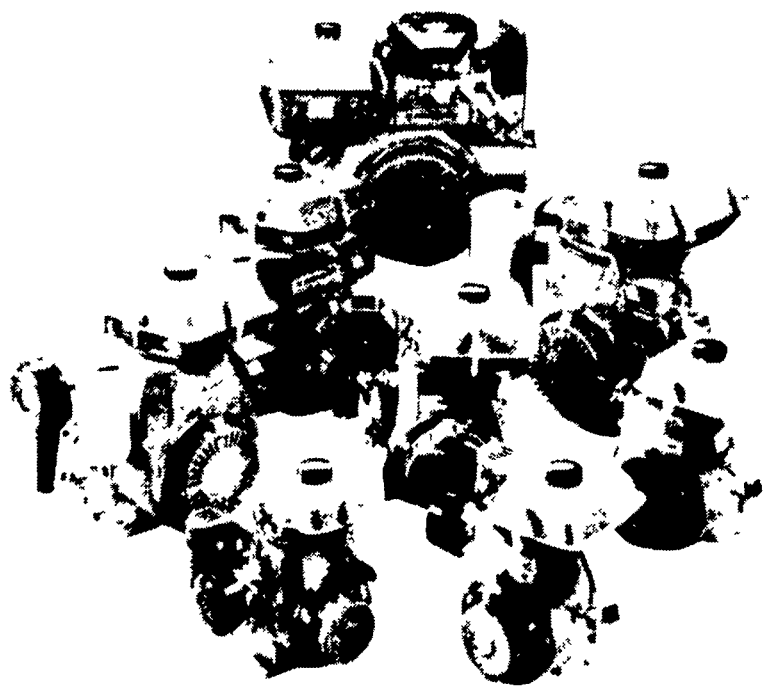

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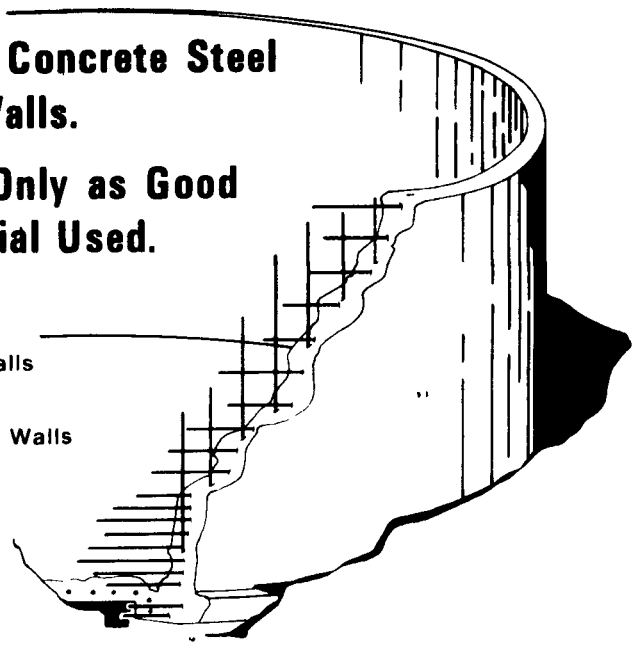

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# Eastern States Expo Sheep Show

What has 7000 feet, comes in 11 different sizes, shapes and colors and can only be seen 12 days a year in West Springfield, Massachusetts? It's the Eastern States Exposition Sheep Show, of course!

The Big E Sheep Show is a grand event that features 11 popular breeds of those white and woolly creatures. Exhibits, contests and breed judging are scheduled daily throughout the duration of the Exposition, September 10-21. The participants in the show will include youths, adults and 4-H members.

The order of the breed judging for the 1986 Big E will be: Market Lamb and Shropshire Shows — September 10; Southdown and Cheviot Shows — September 11; Corriedale and Dorset Shows — September 12; the Northeast Regional Suffolk Show — September 13; Hampshire Show — September 14; Tunis, Oxford and Rambouillet Shows — September 18, and the Romney Show — September 19.

Some of the events to watch for this year, sheep fans, include a shearing contest, fleece judging, and a spinning bee. Also look for the market lamb carcass auction and the sheep to shawl contest. Two other popular events are the handmade woolen articles competition and the lead-line contest, where youngsters show prize sheep while modeling handmade wool garments.

4-H sheep type judging and fitting and showmanship will be held the final weekend of the fair, September 20 & 21. During the 4-H portion of the show you can see young people from ages 12 to 19 exhibiting some of the finest ewes and rams in New England.

4-H contests will also be featured at this time. They include the sheep blocking and trimming contest, the sheep shearing contest and the challenge course competition, in which the 4-H exhibitor who has best trained and halter broken his/her sheep is determined with the use of a predesigned challenge course with six to eight obstacles that might be encountered during the 4-Hers' day-to-day management of their animal. Rounding off the 4-H Sheep Show Competitions are the sheep quiz bowl in which each New England state will enter a top team to compete; a general knowledge sheep quiz to be taken by every 4-H participant; and the shepherd award program in which each state exhibit is judged and ranked according to 4-H member conduct and cleanliness of the exhibit area.

States will also compete this year for a new 4-H Sheep Show award, the Sweepstakes Award. This prize will be presented to the New England state receiving the most points in the seven 4-H Sheep Show contests.

Sheep enthusiasts, young and old, are invited to come and enjoy all the breed judging and special events that will be featured during the 1986 Eastern States Exposition Sheep Show. Here's the best news yet — it's all FREE.


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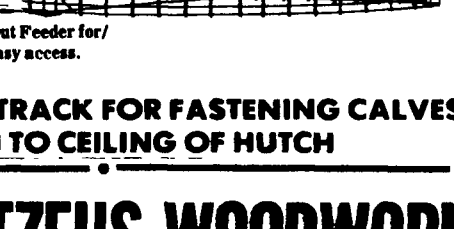

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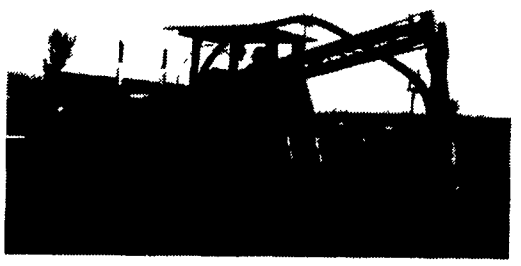

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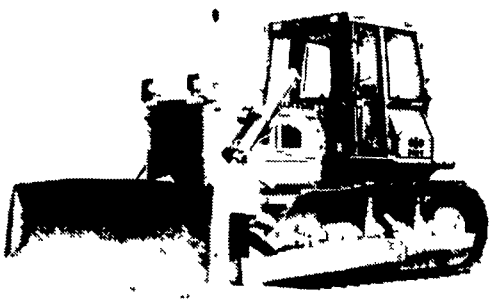

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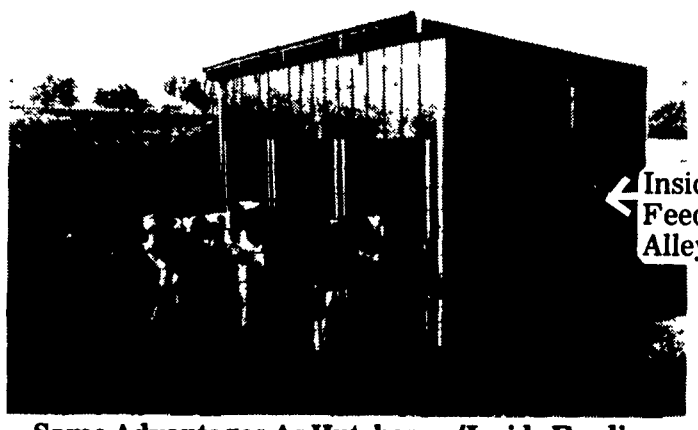


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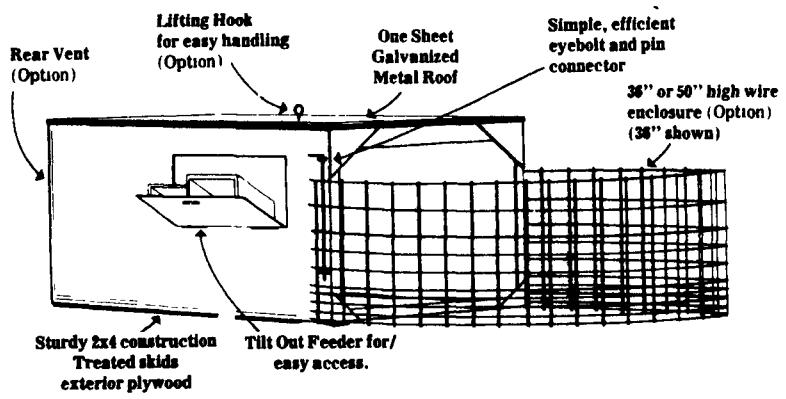
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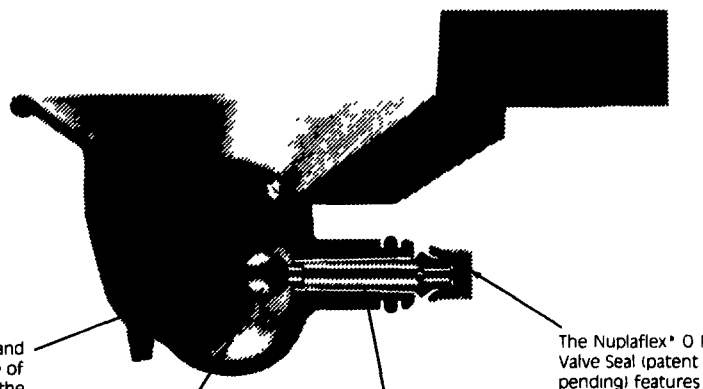

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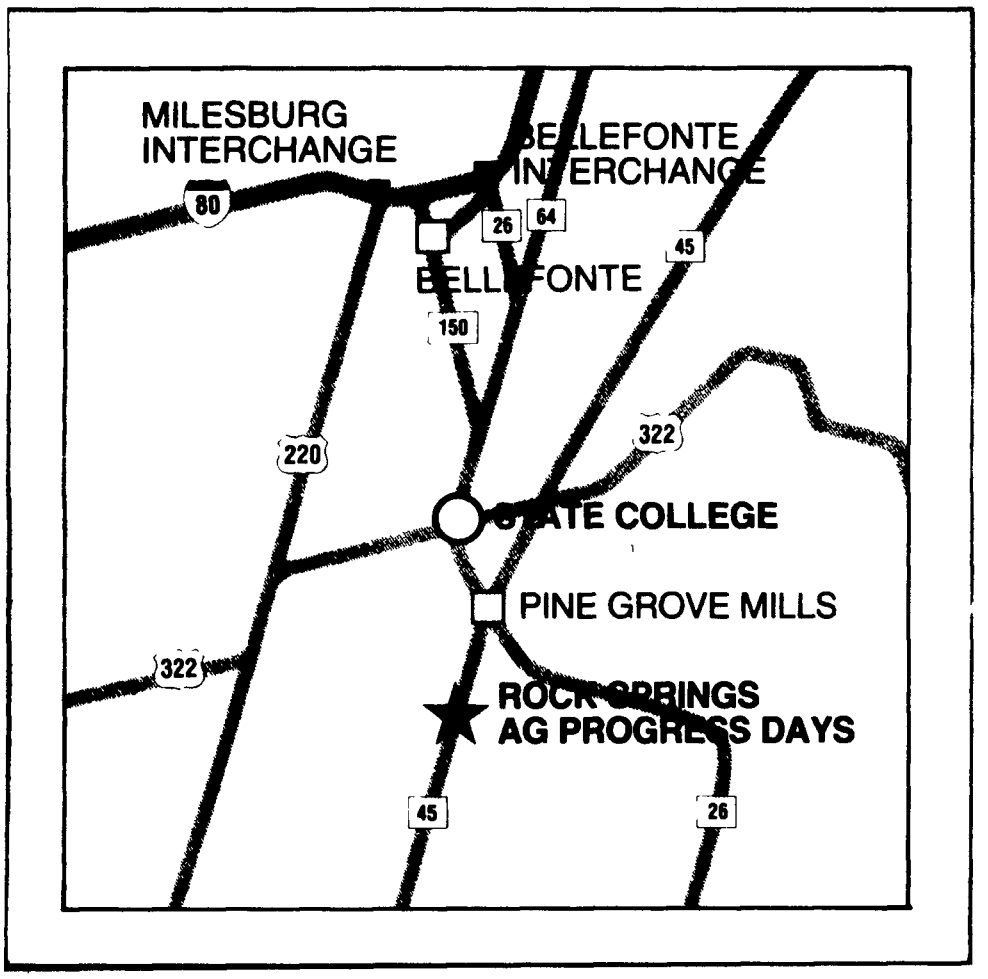

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14 – AG STUDENT COUNCIL
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16 – CHIEF LOGAN LIONS

(W) WATER
(P) EXHIBITOR PARKING
LIGHT
(T) TOILET

ROUTE 45
STONE ROADWAY
MAIN STREET

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EAST 2nd. STEET: G.V M; DEUTZ-ALLIS; HAMILTON; C; D; NOR-BCO; MEL-ROE; 2; 3
EAST 3rd. STREET: CASE INTERNAT'L HARV.; AGRI-QUIP; NEW HOLLAND; MORTON
EAST 4th. STREET: GEHL; VICON; HEDLUND-MARTIN; MASSEY-FERGUSON; WHITE; BABSON; BADGER NORTHLAND; AGWAY; BUTLER LIVE SYS; CLAY; PA FARMERS ASSOC.; BUSH HOG; PATZ; E
EAST 5th STREET

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WEST 3rd. STREET: REST AREA TENT; C.B HOOBER; KUBOTA; OWA-TON-NA; SCH-NUPPS; BINKLEY & HURST; I; PENN-WOOD; WEI-LER; NIE-MEY-ER; J
WEST 4th. STREET: 1st AID; INFO; LEE; MEY-ERS; CAG-LE; FARM-BOY AG; ACORN; AGRI-CON-CRETE; MAR-TIN WATER; GROW. FERT; MADISON SILO; PARS; K; L; WOODS; ALLIED FARM
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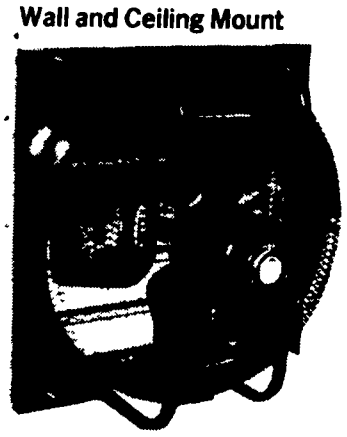

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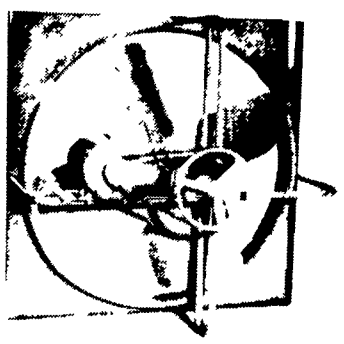

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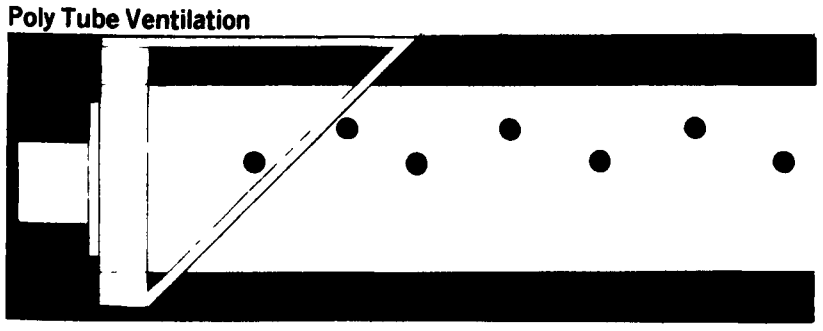

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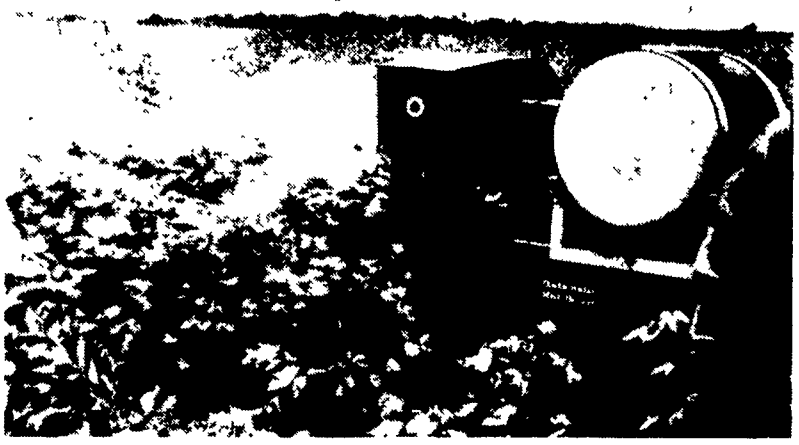

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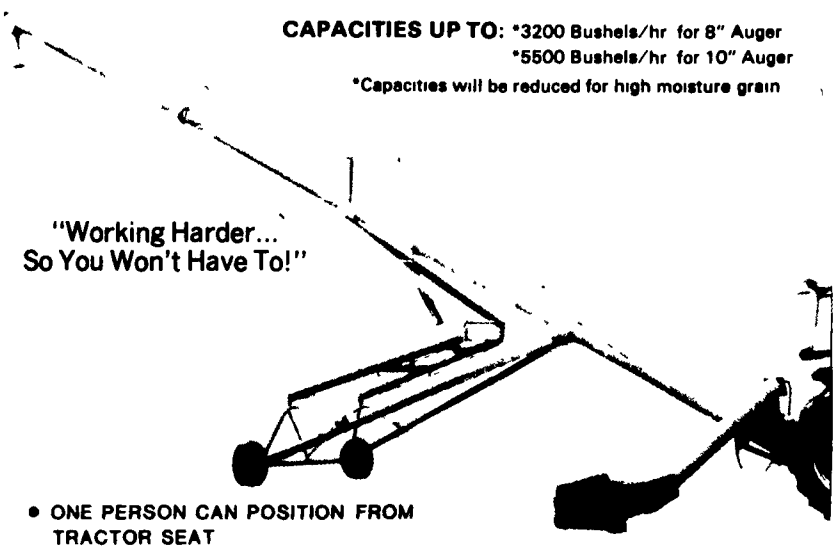

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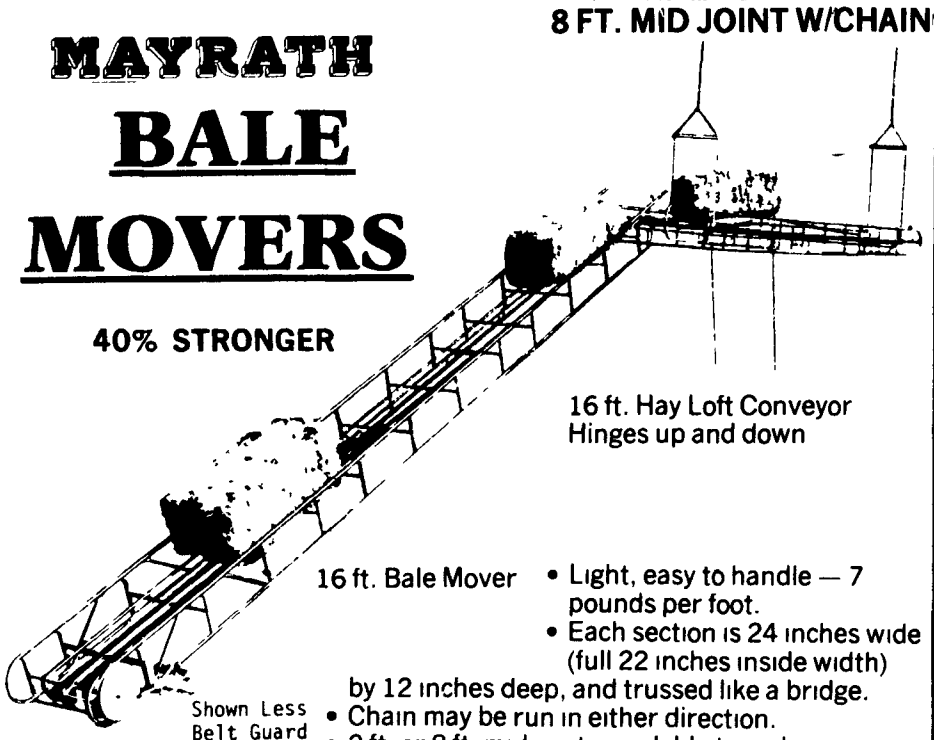

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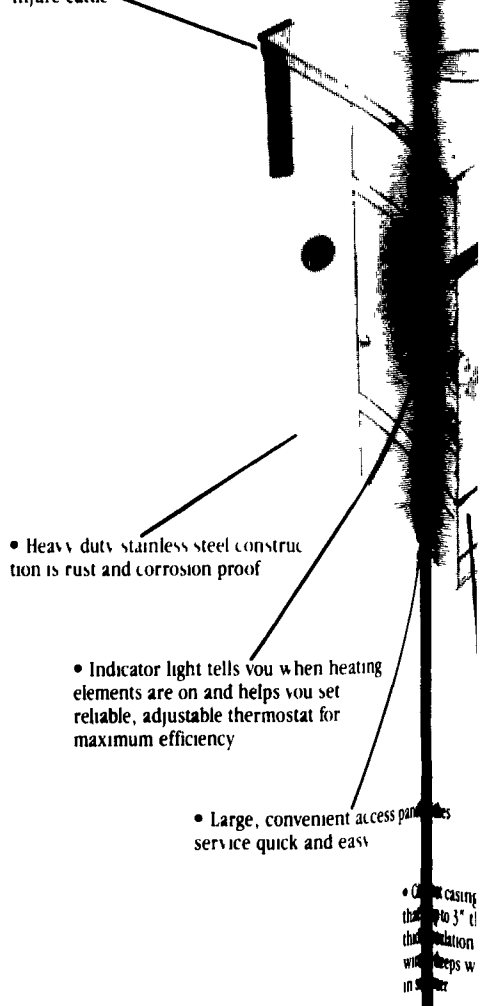

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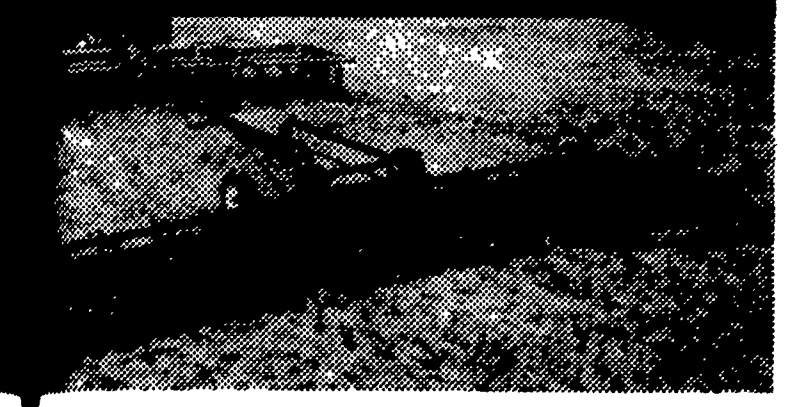
## AG PROGRESS DAYS, AUG. 19-21

Located On West 10th Street

We Look Forward To Seeing You!

# Pastures

## bicide Incorporation
## casted Seed



els and prepares excellent seedbeds. At high speeds the row unloads trash as it works.

**OADCASTING SMALL GRAINS AND GRASSES:** University Illinois found overseeding by broadcasting followed by a erst Harrow a superior combination, out-performing equipnt costing more than 10 times as much. Pulled behind the adcaster, it covers seed to desired depth in one time-saving eration.

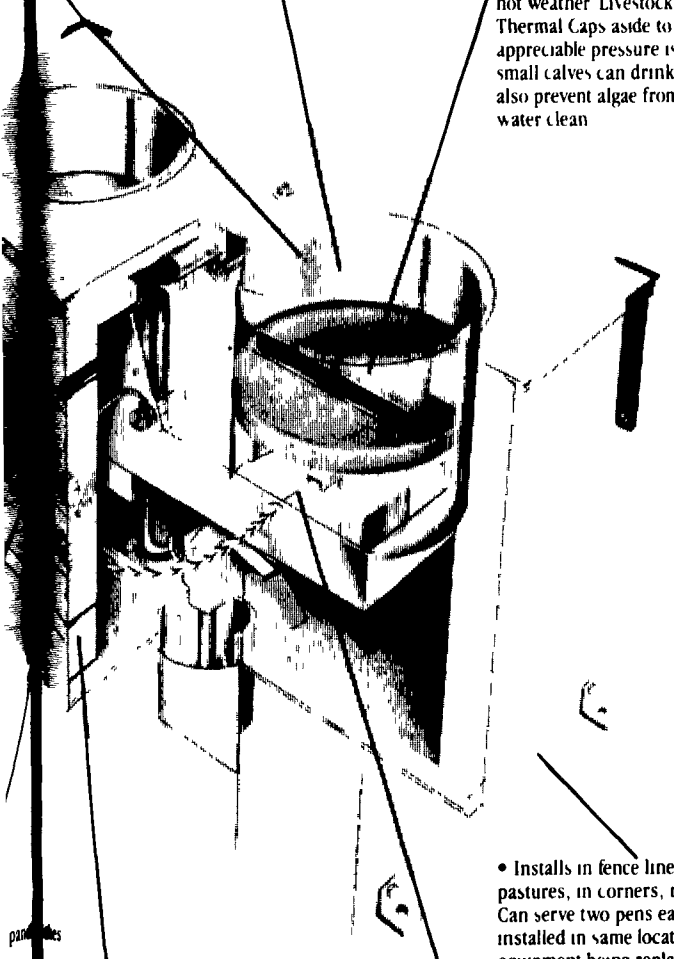
**REDS STALKS:** Shreds and spreads stalks in spring ahead of till and ridge till planting.

o 42 ft. widths. Flexes to cover every inch. No maintenance. y to use and store.

er up to

• Deep drinking wells dip into big trough of fresh clean water Full throated valve refills trough automatically on demand at rate of 15 gallons per minute Cattle won't drink Challenger dry

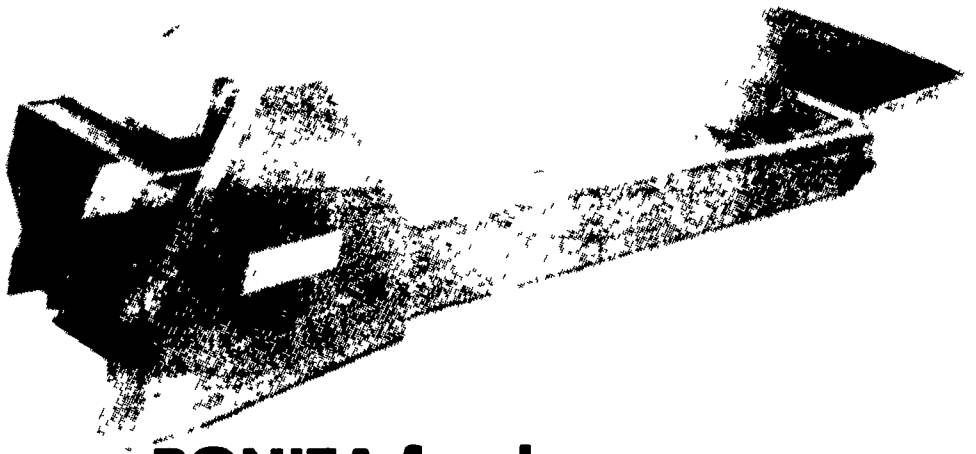
• Insulated floating removable Ritchie Thermal Cap in each well minimizes contact between water and air to prevent heat loss in cold weather and block out sunlight to keep water cool in hot weather Livestock simply push Thermal Caps aside to drink No appreciable pressure is required Even small calves can drink Thermal Caps also prevent algae from forming keep water clean



• Installs in fence lines, in pens and pastures, in corners, next to buildings Can serve two pens easily Can be installed in same location as watering equipment being replaced

• Two 80-watt immersion heaters and a 36 watt supply line cable are all Challenger needs to keep water ice free even in coldest weather (Uses only pennies per day see back panel )

# Fill Your Needs With BONITA High Capacity Heavy Duty Single Chain Feed Conveyors



## BONITA feed conveyors are built for endurance and convenience

**SUPER-TOUGH CONSTRUCTION MEANS TOP PERFORMANCE YEAR AFTER YEAR!** Bonita single chain feed conveyors offer capacity and endurance to space. Their extra wide 10¼" troughs combine with rugged 16 gauge steel frame, even heavier gauge head and base sections and special reinforcements at points of greatest stress to withstand heaviest service.

And check these additional strong points

- heavy-duty roller chain final drive stage
- self-cleaning base section...avoids stopage due to pockets of frozen material
- sealed ball bearings on large 1-1/8" dia. head and foot shafts
- special sprockets with relief at tooth roots to help prevent buildup of materials
- totally enclosed chain return for maximum safety; also eliminates feed carryover
- easy parts replacement with all bolted construction
- low operating, maintenance costs
- conveying lengths up to 44 feet

## *The Best and Largest Line of Specialties Available Anywhere*

**• MANURE HANDLING.**
- ☐ Hydraulic Transfer Pumps
- ☐ H.D. Chain Barn Cleaners
- ☐ Hook and Link Chain
- ☐ AGROMATIC Cable Barn Cleaners
- ☐ Vacuum & Slinger Manure Spreaders
- ☐ Agitator/Filler Pumps

**• POWER FEEDING.**
- ☐ WEAVERLINE Powered Silage Carts
- ☐ WEAVERLINE Stainless Steel Cart
- ☐ WEAVERLINE Recycled Cart
- ☐ ROTO FEEDERS (Lazy Susan)
- ☐ Stainless Steel Shaker Feeders

**• SELF FEEDING.**
- ☐ Fiberglass Push Silage Cart
- ☐ Mineral & Salt Feeders
- ☐ CIRCLE Bulk Storage Bins (3-50 Tons)

**• LIVESTOCK WATERERS.**
- ☐ RITCHIE Cattle Waterers
- ☐ RITCHIE Hog Waterers
- ☐ RITCHIE Hog Fount (Stainless Steel Construction)
- ☐ "Morning Dew" Cow Coolers
- ☐ RITCHIE Challenger

**• AUTOMATIC.**
- ☐ Earcorn Blower Mill
- ☐ Low Profile Mill
- ☐ Feed Processor
- ☐ Roller Mixer
- ☐ Supplement Meter
- ☐ Dump Scales
- ☐ Micro-Mist Sprayer
- ☐ Porta-Mister

**• MY-D-HAND-D.**
- ☐ Head Gates
- ☐ Squeeze Chutes
- ☐ Portable Corrals
- ☐ 3 Pt Bases with Forks
- ☐ Slant Bar Hay Feeders

**• SPECIALTIES.**
- ☐ KEMLITE Glasbord
- ☐ Farrowing Crates
- ☐ Tubular Gates
- ☐ Livestock Scales
- ☐ Ornamental Windmills
- ☐ COR-TEC Buildings
- ☐ Bedding Choppers

**• BARN EQUIPMENT.**
- ☐ Water Bowls
- ☐ Ventilating Systems (Exhaust & Tube)

**• SILAGE & GRAIN HANDLING.**
- ☐ Van Dale Double Auger Silo Unloaders
- ☐ Silage Conveyors
- ☐ (TMR) Mixer-Feeder Wagons
- ☐ Flex Augers
- ☐ 4"-6" Utility Augers
- ☐ CIRCLE Storage Bins
- ☐ SHIVVERS Country Clipper Zero Turning Radius Lawn Mowers
- ☐ MAYRATH 6" &8" Transport Augers
- ☐ MAYRATH Double Chain Conveyors
- ☐ MAYRATH 8" & 10" Swing Away Augers

**• SOIL CONSERVATION.**
- ☐ Automatic Soil Mover
- ☐ Buffalo Slot Planter
- ☐ Buffalo Till Planter
- ☐ Buffalo Cultivator
- ☐ Aitchison Seedmatic Drills
- ☐ Fuerst Flexible Tine Harrow

**RYDER SUPPLY CO.** 8/16/86 LF
P.O. Box 219
Chambersburg, Pa. 17201-0219
Ph: 717-263-9111

☐ Please have a Ryder Rep. phone me
☐ Send literature checked above

Name _____
Address _____
City _____ State _____ Zip _____
Phone _____

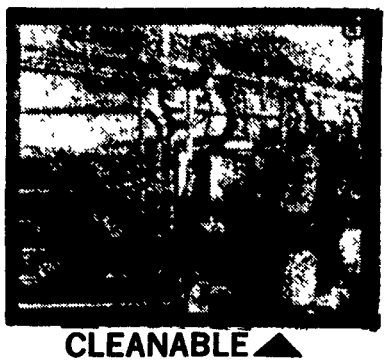
RYDER SUPPLY CO.

P.O. Box 219
Chambersburg, PA 17201-0219
**Phone 717-263-9111**

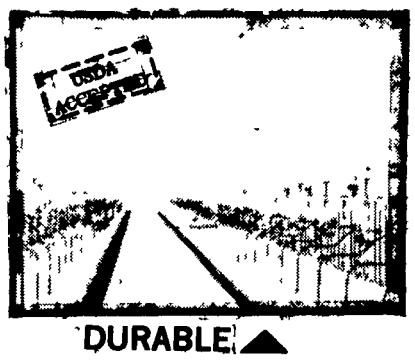
# GLASBORD®

## ELIMINATES THE EPOXY AND OTHER YEARLY COSTLY MAINTENANCE TO WALLS AND CEILINGS

**FOR FARM BUILDINGS**



CLEANABLE



DURABLE

**FIBERGLASS REINFORCED PLASTIC PANELS & ROLLS**

- **GLASBORD® IS TOUGH**
  - **-ACID SCRATCH AND ABRASION RESISTANT**
- **GLASBORD® INSTALLS EASILY**

**- MILKING PARLORS, HOLDING ROOMS, OFFICES, SLAUGHTER HOUSES**

- **GLASBORD® RESISTS DIRT**
- **- WILL NOT STAIN, CORRODE**
- **- RESISTS ANIMAL WASTES**
- **- CLEANS WITH ORDINARY METHODS**

**IN STOCK - AVAILABLE NOW**

**3/32 & 1/8" THICKNESS, 4 x 8 FT. PANELS**
**3/32 & 1/8" - 4 x 40 AND 4 x 45 FT. ROLLS**

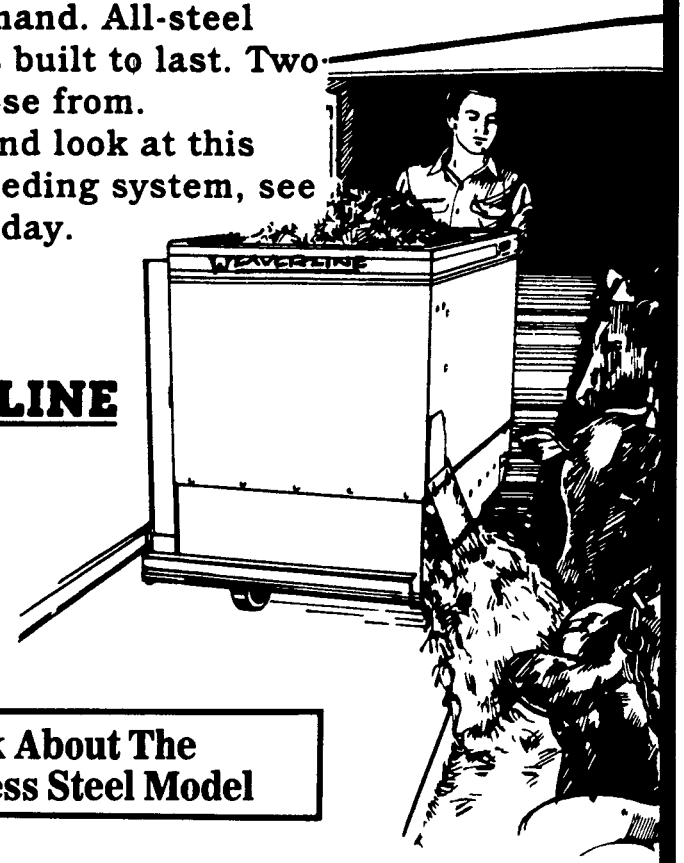
**ALL CORNER MOLDING AND FASTENERS**

**VINYL MOLDINGS ARE AVAILABLE TO GIVE A FINISHED APPEARANCE & A WATERTIGHT INSTALLATION.**

# Take command of your dairy feeding!

Just load the Series IV and you're on your way to feed silage, haylage, even high-moisture corn. Hydrostatic drive and variable-speed discharge put you in complete command. All-steel construction is built to last. Two models to choose from.

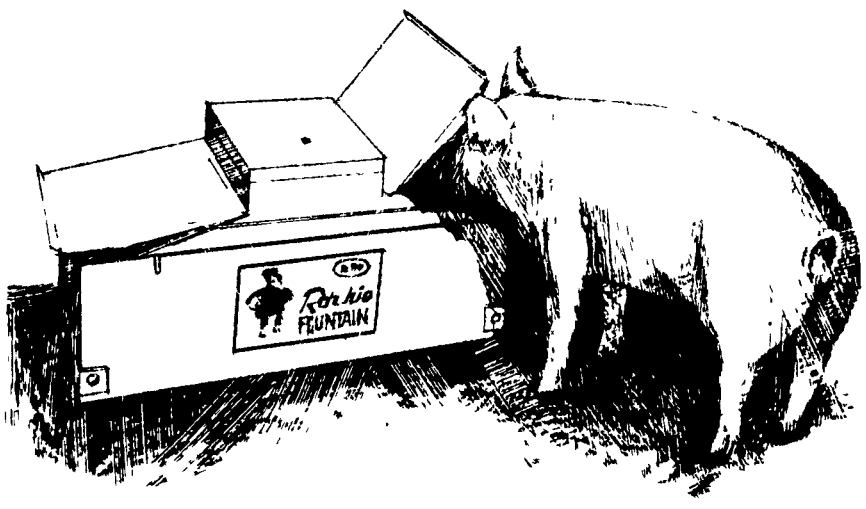
For a firsthand look at this labor-saving feeding system, see it on display today.




**WEAVERLINE**

**Ask About The Stainless Steel Model**

# Forget hog watering problems.

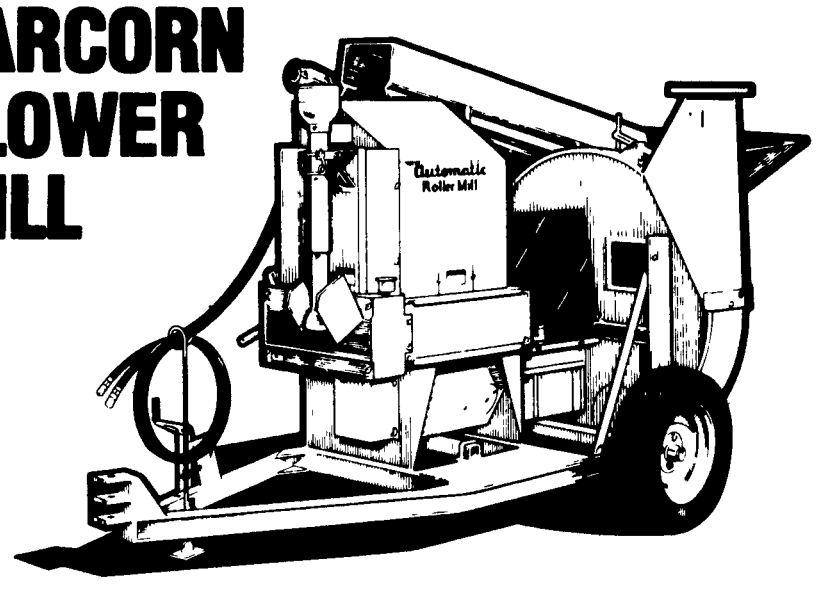



We have the hog watering units you can forget any time of the year.

Reliable... rugged... *Ritchie*®

**the one that keeps rolling when others quit!**

# Automatic EARCORN BLOWER MILL




Automatic pioneered the development of the unique crusher unit which shells corn and shreds the cob ahead of the rollers which crack the kernels and reduce the cob further. No troublesome screens to change or slow down the capacity. It comes with 8-foot hydraulic intake auger and 54-inch blower. Also available with an 11-inch tilting discharge auger with 10-foot reach in place of the blower.

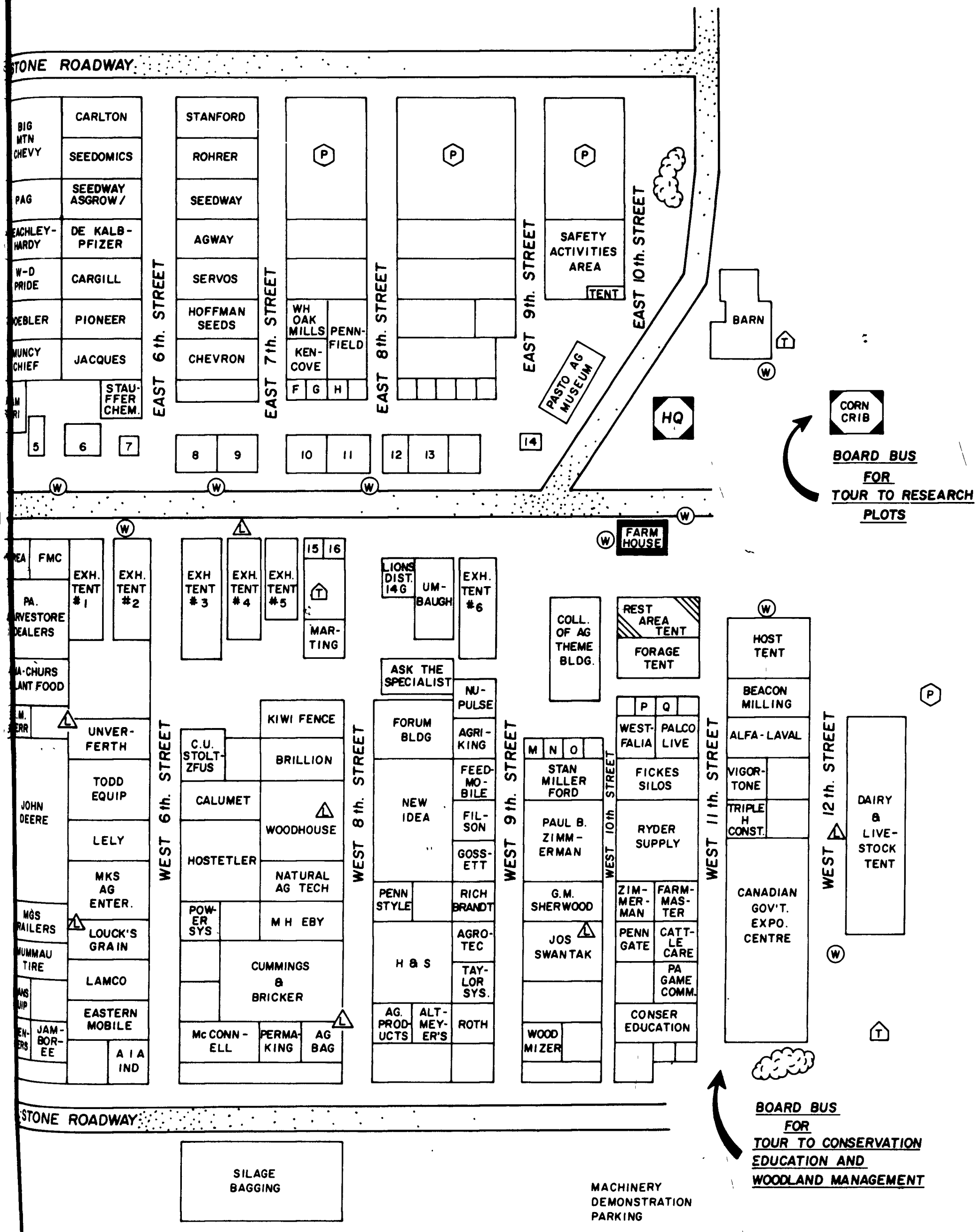
- **UNIQUE CRUSHER ROLLS** shell the corn, crush the cob ahead of the rolls, no screens to plug.
- **FATIGUE-PROOF DRIVE SHAFTS,** ground and polished.
- **CARBON STEEL ROLLS,** hardened to a 56 Rockwell "C", outperform other rolls in capacity and durability.
- **20-SPLINE,** 1¾-inch PTO shaft with shear pin protection.

See Us At
**AG PROGRESS DAYS**
**Aug. 19-21**
Located on West 10th St.

**RYDER SUPPLY CO.**

P.O. Box 219
Chambersburg, PA 17201-0219
**Phone 717-263-9111**

# SS DAYS EXHIBITION AREA



# Exhibitor List

CET = Commercial Exhibits Tent
DLT = Dairy and Livestock Tent
EET = Educational Exhibits Tent
E = East
W = West
1-12 = Street

| EXHIBITOR | LOCATION |
|---|---|
| **A** | |
| A.I A. Industries, Inc | W6 |
| AAA Associates, Inc. | ET1 |
| Acorn Equipment Corp | W4 |
| Advanced Biological Concepts | ET1 |
| Ag Products Co. | W8 |
| Ag-Bag Corp. | W8 |
| Ag-Chem Equipment Co. Inc. | W1 |
| Agri-Concrete Products, Inc | W3 |
| Agri Quip Corp. | E2 |
| Agri-Dynamics, Inc | DLT |
| Agri-Equipment, Inc | W4 |
| Agri-King, Inc. | W9 |
| Agricol Corp., Inc | ET4 |
| Agricultural Vendor, Inc. | ET2 |
| Agrinet Farm Radio Network. | DLT |
| Agrotec, Inc. | W9 |
| Agway, Inc. | E5 |
| Agway, Inc. | E6 |
| Alfa Laval Agri, Inc | W11 |
| Allensville Planing Mill, Inc | W1 |
| Allied Farm Equipment, Inc | W3 |
| Alpine Plant Foods Ltd | E1 |
| Alternative Energy Systems | W10 |
| Altmeyer's Western Wear. | W8 |
| American Angus Assoc. | DLT |
| American Breeders Service | DLT |
| American Cyanamid Co. | ET4 |
| American Dairy Assoc. | ET6 |
| American Honda-Power Equip | W1 |
| American Honda Motor Co. | W1 |
| American Jawa Ltd. | W2 |
| Anchor Lab | DLT |
| Milton R Anderson, Inc | W1 |
| Animal Medic, Inc. | DLT |
| Atlantic Breeders Cooperative | DLT |
| **B** | |
| Babson Bros Co | E5 |
| Badger Associates | W4 |
| Badger Northland, Inc | E3 |
| The J.E. Baker Co | ET4 |
| Beacon Milling Co., Inc | W11 |
| Beachley-Hardy Seed Co | E5 |
| Big John Corp. | E7 |
| Big Mountain Chevy Dealers | E5 |
| Binkley & Hurst Bros. | W2 |
| Rich Brandt Farm Real Estate | W9 |
| Breezewood, Inc | W2 |
| Brillion Iron Works, Inc | W8 |
| Bush Hog | E3 |
| Butler Livestock Systems | E3 |
| Butler Mfg Co. | W4 |
| **C** | |
| Cagle Mfg Co , Inc | W4 |
| Calumet Corp | W6 |
| Canadian-Dept External Affairs | W11 |
| Canns-Bilco Distributors, Inc | W1 |
| Cargill Seeds | E6 |
| Carlton Seed Co | E6 |
| Case IH | E2 |
| Cattle Care Services Inc | W11 |
| Central Chemical Corp | ET1 |
| Central Petroleum Co | W5 |
| Centre Welding Supply Inc | W1 |
| Century Mfg Co | W9 |
| Chevron Chemical Co | E6 |
| Chore-Boy Corp | ET1 |
| Church & Dwight Co Inc | DLT |
| Ciba-Geigy | ET2 |
| Clay Equip Corp | E3 |
| Cornell Mfg , Inc | W4 |
| Country Ag Service | W5 |
| Cummings & Bricker, Inc | W8 |
| **D** | |
| D & D Thermocrete, Inc | ET2 |
| Dairy Equip Co | W5 |
| Dairylea Cooperative, Inc | DLT |
| Danco Products | E1 |
| John Deere Co. | W5 |
| DeKalb-Pfizer Genetics | E6 |
| The Delmarva Farmer | ET4 |
| Delta Distributing Inc. | W1 |
| Deutz-Allis Corp. | E1 |
| Doebler's PA. Hybrids, Inc | E5 |
| Dow Chemical | ET4 |
| **E** | |
| Eastern Crown, Inc. | ET3 |
| Eastern Milk Producers | ET3 |
| Eastern Mobile Mills | W6 |
| Eastman Chemicals Div. | W5 |
| N.H. Eby, Inc. | W8 |
| Glenn & Mike Erdley | W1 |
| **F** | |
| Farm & Ranch Mgmt. Sys., Inc | ET4 |
| Farm Bureau | DLT |
| Farm Credit Service | W2 |
| Farmer Boy Ag, Inc | W3 |
| Farmmaster, Inc. | W11 |
| Feedmobile, Inc. | W9 |
| The Fertrell Co. | DLT |
| Fickes Silo Co., Inc. | W10 |
| Filson Livestock Equipment Co | W9 |
| Flexible Steel Lacing Co. | ET3 |
| FMC Corp.-Ag Chem Group | W5 |
| FMC Finance Corp. | ET2 |
| Folcarelli Supply Co. | W2 |
| Fox-Brady Div., Piper Ind , | W2 |
| Franklin Labs.-Div. AHPC | DLT |
| Frey Bros. Mfg | W1 |
| FRM Chem, Inc. | ET4 |
| Furst McNess Co | DLT |
| **G** | |
| G V M , Inc | E1 |
| Gehl Company | E3 |
| Gossett Nutrition, Inc | W9 |
| G. H. Grimm Co., Inc | E1 |
| Gro-Mor Plant Food Co , Inc | W1 |
| Growers Fertilizer Solutions | W4 |
| **H** | |
| H & S Mfg Co , Inc | W8 |
| Hamilton Equip., Inc | E1 |
| Hardy Mfg Co. | ET2 |
| Harman Stove Co | ET4 |
| Haybuster Mfg., Inc | E2 |
| Hedlund-Martin, Inc. | E5 |
| John Hefty Systems | W4 |
| Helena Chemical Co. | ET3 |
| E.M. Herr Equip., Inc | W5 |
| Joseph G Herrmann & Assoc | ET1 |
| Herschel Corp. | ET4 |
| Hesston Corp. | W4 |
| Hi-Score Plant Food Co , Inc | E1 |
| Hoffman Seeds, Inc. | E6 |
| Homelite, Div. of Textron | W1 |
| C B. Hoober & Son, Inc. | W2 |
| Hostetler Truck Bodies & Trs | W6 |
| **I** | |
| IBA Inc | DLT |
| ICI Americas, Inc | ET2 |
| Inter-State Milk Producers | DLT |
| International Stock Food Corp | ET1 |
| **J** | |
| Jacques Seed Co | E6 |
| Jamboree Acres | W5 |
| **K** | |
| K & S, Inc | W1 |
| Alfred Karcher, Inc | E1 |
| Kencove Fence | E7 |
| Keystone Stihl, Inc | W1 |
| Kissinger Leonard & Brower | E3 |
| Kiwi Fence Systems, Inc | W8 |
| Kubota Tractor Corp | W2 |
| **L** | |
| Lage Products Co , Inc | W4 |
| Lamco Mfg. Co | W6 |
| Landmark Dodge | W5 |
| Landmark Genetics, Inc | DLT |
| Lawn Care Dist , Inc | W1 |
| Leaman Tractor Parts | ET3 |
| Sanford G. Leaman Real Estate | ET1 |
| Lebanon Chemical Corp. | ET3 |
| R. J. Lee Co. | W3 |
| Lehigh Valley Farmers | ET3 |
| The Lely Corp. | W6 |
| Long Mfg., N.C., Inc | W9 |
| Loucks Grain Equip., Inc | W6 |
| Lyn Lee Farms | DLT |
| **M** | |
| Madison Silo Co. of Penna | W3 |
| Manna Pro Corp | DLT |
| Manna Pro Corp | ET5 |
| Martin Water Conditioning Co. | W4 |
| Marting Mfg., Inc. | W8 |
| Massey-Ferguson, Inc | E3 |
| Mark Matt Enterprises | E1 |
| McConnell Mfg. Co., Inc | W6 |
| K. L. Mehlenbacher | ET3 |
| Melroe Co. | E2 |
| Merrick's, Inc | DLT |
| Metz Sales, Inc. | DLT |
| Meyer's Mfg. Corp. | W3 |
| MGS Trailers | W5 |
| Mid-Atlantic Soybean Assoc | ET5 |
| Milford Fertilizer Co. | ET1 |
| Milk Marketing, Inc | ET2 |
| Milk-Rite, U.S.A. | ET1 |
| Stan Miller Ford L/M, Inc. | W9 |
| Miller Chem. & Fert Corp | ET3 |
| MKS Enterprises, Inc. | W6 |
| Mobay Corp., Ag Chemicals Div | ET1 |
| Modern Farm Systems | W4 |
| Monsanto Co. | W5 |
| Morton Buildings, Inc | E2 |
| Paul Mueller Co. | W5 |
| Mummau Tire | W5 |
| Muncy Chief Hybrids, Inc | E5 |
| **N** | |
| Na Churs Plant Food Co | W5 |
| National Distributing Co , Inc | W2 |
| Natural Ag Technology Assoc | W8 |
| New Holland Inc | ET2 |
| New Idea Farm Equip | W8 |
| the Niemeyer Corp | W2 |
| Noland Mfg. Co. | DLT |
| Norbco Equip. | E1 |
| Northeast Embryonics, Inc | DLT |
| Northrup King Co. | ET5 |
| Nu Pulse, Inc. | W9 |
| Nut Tree Research | ET6 |
| **O** | |
| Owatonna Mfg Co , Inc | W2 |
| **P** | |
| P&D Mfg Co , Inc | W4 |
| PAG Seeds | E5 |
| Palco Livestock Equip | W11 |
| Pars, Inc. | W4 |
| Patz Sales, Inc | E5 |
| Peace Corps | W9 |
| Penn Forestry Co , Inc | W10 |
| Penn Gate Sales | W10 |
| Penn State-Nuclear Eng | ET6 |
| Penn State-Police Services | ET6 |
| PSU Soil & Forage Testing Lab | ET5 |
| Penn-Mar Agri Systems | W1 |
| Penna Ag Statistics Service | ET6 |
| Pa Aggregates & Concrete Assn | ET3 |
| Pa Assoc Conserv. Dist Dir | ET5 |
| Penna Charolais Assoc | DLT |
| Penna Crop Management Assoc | ET6 |
| Penna Dept of Agriculture | ET6 |
| Pennsylvania Farmer | ET3 |
| Pennsylvania Farmer Magazine | W4 |
| Penna. Farmers Union | ET2 |
| Penna Farmers' Assoc | E5 |
| Penna Flying Farmers | ET6 |
| Penna Game Commission | W11 |
| Penna. Harvestore Dealers | W5 |
| Penna Holstein Assoc | DLT |
| Penna Jersey Cattle Club, Inc | DLT |
| Penna Polled Hereford Assoc | DLT |
| Penna Rural Electric Assoc | W5 |
| Penna Simmental Assoc | DLT |
| Penna State Grange | ET6 |
| Penna Young Farmers Assoc | ET6 |
| Pennfield Corp. | E8 |
| Pennstyle Campers, Inc | W8 |
| Pennwood Corp. | W2 |
| Perma-King Construction Co. | W8 |
| Pioneer Hi-Bred Int'l, Inc | E6 |
| Pioneer Hi-Bred-Microbial Div | DLT |
| Power Systems Electric | W6 |
| **R** | |
| Ration Maker East, Inc. | DLT |
| Rich Mac Systems | E8 |
| P.L. Rohrer & Bro., Inc | E6 |
| Roth Mfg. Co., Inc. | W9 |
| Ryder Supply Co | W10 |
| Schick Farms | ET1 |
| Schnupp's Grain Roasting, Inc. | W3 |
| Seedomics Hybrid Corn Co. | E6 |
| Seedway, Inc. | E6 |
| Select Sires, Inc | DLT |
| Servos Seed Corp. | E6 |
| Shell Agricultural Chemicals | ET2 |
| Shenango Steel Buildings, Inc | DLT |
| G.M. Sherwood Seed Grower | W9 |
| Sire Power, Inc. | DLT |
| Sollenberger & Star Silos Corp | W4 |
| Spraying Systems Co. | ET3 |
| Spring-Tight Power Fence | ET3 |
| Stanford Seed Co. | E6 |
| Starline Products, Inc | W4 |
| Stauffer Chemical Co | E6 |
| Stauffer Diesel, Inc. | E1 |
| Stitzel Farm Equip., Inc | W4 |
| C U. Stoltzfus Mfg., Inc | W6 |
| Stull Co. | W1 |
| Summit Systems, Inc | W11 |
| Sunbury Motor Co | E1 |
| Superior Parts Service Co | ET5 |
| Joseph Swantak, Inc | W9 |
| Symo-Life, Inc | DLT |
| **T** | |
| Tam Agri Corp | E5 |
| Taylor Systems of Penna | W9 |
| Todd Farm Equip , Inc. | W6 |
| Tox-O-Wik Products | W4 |
| Trans Equipment, Inc | W5 |
| Triple H Construction Co | W11 |
| **U** | |
| U S Agri-Systems | W1 |
| U S. Army Corps of Engineers | ET5 |
| Umbaugh Building Co. | W8 |
| Union Carbide Ag Prod. Co Inc | ET1 |
| Unverferth Mfg. Co., Inc. | W6 |
| USDA, ASCS | ET6 |
| USDA, Farmers Home Admin | ET6 |
| USDA, Federal Crop Insurance | ET6 |
| **V** | |
| V I P Enterprises | ET5 |
| Vanco | DLT |
| Vermeer Mfg Co | W1 |
| Vicon Farm Machinery, Inc | E5 |
| Vigortone Ag Products | W11 |
| VS Crop Protection Corp | ET? |
| **W** | |
| Water Master | ET5 |
| Weiler Bros , Inc | W3 |
| Wengers Farm Machinery Inc | W5 |
| Westfalia Systemat | W10 |
| Wetsel Seed Co | ET2 |
| White Farm Equip | E5 |
| White Oak Mills | E7 |
| Whitney-Dickinson Seeds, Inc | E5 |
| Willard Battery Outlet | E1 |
| Wood Chips, Inc | E7 |
| Wood-Mizer Products | W9 |
| J S Woodhouse Co , Inc | W8 |
| Woods Div of Hesston Corp | W4 |
| **Y** | |
| Young's, Inc | DLT |
| **Z** | |
| Zimmerman Mfg Corp | W10 |
| Paul B Zimmerman, Inc | W9 |
| Zook & Ranck, Inc | ET4 |

# Ag Progress '86

# Soil Conservation Saves Water In Times of Flood Or Drought

YORK — The current dry spell has peaked area farmer's interest in the conservation of water, according to Lee B. Bentz, soil conservationist, Soil Conservation Service, York.

"Unfortunately," says Bentz, "by the time the farmer realizes the need to conserve water, its already too late to do much about it in the current growing season. Therefore, it only seems logical to plan ahead, remembering that 'normal years' are never quite as common as we would like. We're always wrestling with the problems of too much or not enough moisture to grow our crops."

A planned conservation system combines practices to maximize soil and water benefits in the event of excess rain or dry spells.

Some cost-effective conservation measures are:

**Contour Strips and Crop Rotations** - Rotations which include sod combine with the level rows to hold the water on the land much like tiny dams impeding the waters progress down hill. Alternate strips of grass catch the water moving off the open tilled crop strips allowing it to filter into the soil. These "safety belts" hold the soil as well as the water.

**Crop Residue Preservation, Mulch Tillage and No-Till** - Planting in crop residue drastically reduces erosion while conserving moisture in the soil and holding the rain that falls on the fields surface.

Other more costly measures which control run off and conserve moisture include diversions and cropland terraces.

**Diversions** - On the longer slopes where strips can not contain all the water moving off the field, grass-lined diversion channels catch the water much like the rain spout on a house and lead it slowly around the hill to a safe outlet. Grass slows the water down and allows it to soak in as much as possible before leaving the field.

**Cropland Terraces** - Gradient and cropland terraces do much the same job as diversions only without the benefit of grass. To accomplish this the channels are placed more closely together on the hill and carry water off the fields on a slower grade than diversions. This allows the use of high value crops on all the land and still provides for the conservation of soil and water.

"There is no 'one answer' to soil and water management on every farm," says Bentz. Each farm differs by soil type, slope, enterprises, management and working capital. Each farm must be evaluated in light of these factors to formulate a workable conservation plan to successfully conserve and maximize its soil and water resources.

On-site conservation planning assistance is available without charge or obligation upon request to the U.S. Soil Conservation Service office in your area.

# Guidelines For Cutting Hay During Drought

COLLEGE PARK, Md. — To mow hay or not to mow. That is the question facing Maryland livestock farmers and commercial alfalfa growers midway through the drought-stricken summer of 1986. Lester R. Vough, Extension forage crops specialist at the University of Maryland in College Park, offers some guidelines.

Dr. Vough recommends that growers make a third cutting of alfalfa when 30 to 32 days have elapsed since the second cutting. If there is not enough growth to make salvaging the crop worthwhile, just let the new-mown hay lie in the field.

Recent rains in most parts of the state, coupled with cutting the old stems, should trigger new growth for a fourth cutting of alfalfa in late August or early September. "That could be the best crop of the year," Yough says.

Maryland yields were somewhat reduced — due to the dry weather — but quality generally was excellent for the first cutting of alfalfa hay this spring. The major exception occured in western Maryland's Allegany and Garrett counties, where many farmers' new-mown first and second crop hay got rained on.

In the rest of the state, farmers who cut their first crop of alfalfa early typically harvested a fairly good second cutting. But late cuttings allowed valuable soil moisture to be used up so that there was little left for the second crop.

High fertility rates also gave a big boost to hay crops, Vough says. Even at the University of Maryland's drought-stricken forage research farm near Clarksville in Howard County, the first, second and third cuttings of alfalfa from high-fertility plots were about normal.

For high-fertility alfalfa fields which yield well, Vough recommends 400 pounds of potash per acre in a split application. Simply apply half of the recommended amount after the first cutting of alfalfa in the spring and half after the fourth cutting in late August or early September.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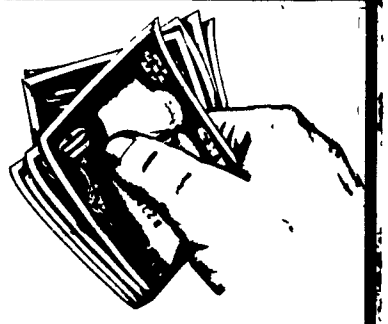

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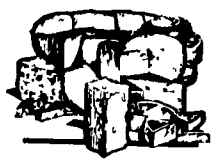

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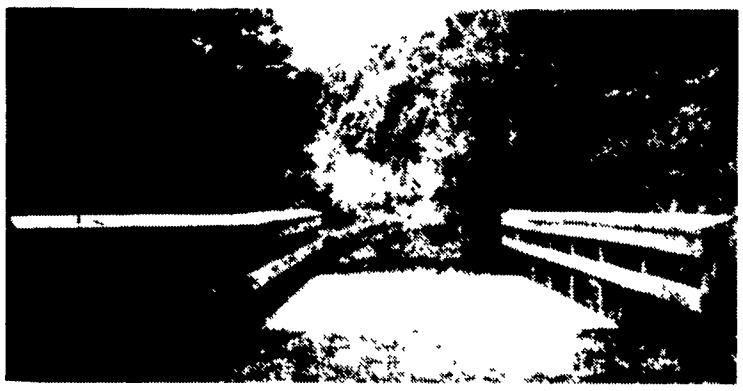

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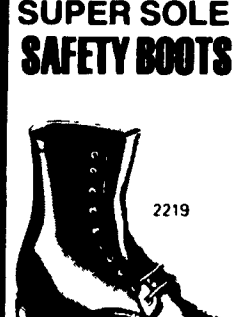

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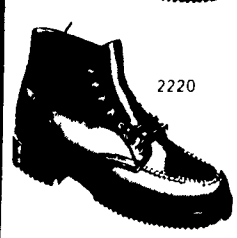

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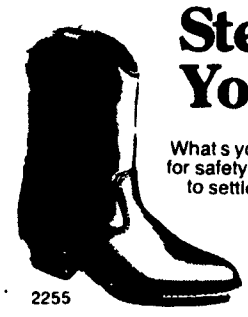

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# Soviet Agriculture Still Sluggish

Although the effects are still being assessed, the Chernobyl nuclear accident is not likely to rank high on the list long-term problems facing Soviet agriculture.

The major shortcomings of Soviet agriculture tend to persist afer individual incidents, like Chernobyl, are forgotten, say USDA analysts who monitor the USSR's farm and food sectors.

Today, these shortcomings can be seen in the Soviet "Food Program," which was adopted in 1982 and hasn't come close to achieving its ambitious aims.

After climbing to an impressive 237 million metric tons in 1978, Soviet grain production has stagnated in the range of 160-190 million tons a year. Russian farmers did chalk up a record in overall agricultural output in 1983, but favorable weather was largely the reason.

The Soviet Food Program had its origins in the slow growth and rapidly rising costs of production in agriculture during the 1970's, explains economist Robert Koopman of USDA's Economic Research Service. "Moreover, the U.S. grain embargo of 1980 moved the Russians to seek increased self-sufficiency in agricultural production, particlarly in grains," Koopman says in a recent issue of the Agriculture Department's FARMLINE magazine.

Midway through the Food Program, though, the Soviets are still not meeting their targets for increased food production.

"Soviet agricultural performance from 1981 to 1985 was the most disappointing in recent history," says Koopman. "Significant shortfalls were especially evident in grains."

Grain production during the 11th Five-Year Plan (FYP), from 1981 to 1985, fell below output of the two preceding FYP's. On average, production was below target by 62 million metric tons annually, or more than 300 million tons over the entire 5-year period.

**Rising Grain Imports**

Grain imports, Koopman says, averaged 42 million tons annually -- nearly twice that of the 10th FYP (1976-80) and triple the 9th FYP (1971-75) figure.

"Grain's share of the total value of agricultural imports increased from 24 to 35 percent between the ninth and 11th Five-Year Plans," he says. "Despite the heavy imports, total grain availability declined."

Koopman says the shortfall is likely to continue in the current, 12th FYP (1986-90). "Grain production is estimated to have averaged 178 million metric tons a year during the 11th FYP, requiring a growth of 7.2 percent annually to reach the 1990 target of 250 to 255 million metric tons. Even if the Soviets had managed to attain average grain production in the 205 million metric ton range, as they did during the 10th FYP, growth would have to average 4.3 percent a year for the next 5 years to reach the 1990 target."

He notes that the highest growth rate achieved in the last 15 years was the 2.5-percent rate reached in the 10th FYP.

"Although consistently good weather would improve Soviet grain production, many other factors such as continued problems with soil fertility, poor organization and management of farms, and untimely deliveries of necessary inputs – which are often of poor quality – suggest that the 12th FYP grain target is overly ambitious."

Meat, milk, and egg production fared somewhat better, coming closer to fulfilling FYP plans. Even so, meat production is targeted at 21 million metric tons for 1990, requiring 4.2-percent annual growth over 1985's production level.

"With recent growth averaging under two percent per year," says Koopman, "the 1990 target currently appears unattainable."

He is more optimistic that goals for milk and egg production will meet the targets.

"The 1990 target level for milk of 104 million metric tons appears reasonable, calling for only a 1.3-percent increase annually. And egg production should easily reach the 1990 target of 80 billion eggs."

Clearly, Koopman says, the Soviets "did not come close to attaining the Food Program goal of agricultural self-sufficiency during the 11th FYP. At the same time, the Soviet people aren't starving. And agriculture's poor performance from 1981 to 1985 has been partly offset by a 57-percent increase in agricultural commodity imports."

According to Koopman, the Soviets had high hopes for the Food Program, which outlines the organizational and economic policy for agriculture and related sectors through 1990.

The Food Program mandates a major restructuring of responsibilities to decentralize decisionmaking (to a degree) and encourage individual initiative at the farm level.

Despite such changes, Koopman says, "rising production costs and slow growth in per capita production of many agricultural products remain the rule today. Poor coordination and cooperation between agriculture and its allied sectors continue."

**Fine Tuning Not Enough**

The trouble, Koopman says, lies with the lack of substantial reforms.

"The Soviets are attempting to fine-tune the present system," he says, "when what may be needed is an entire overhaul or a new model built on market-based incentives."

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(Turn to Page E31)


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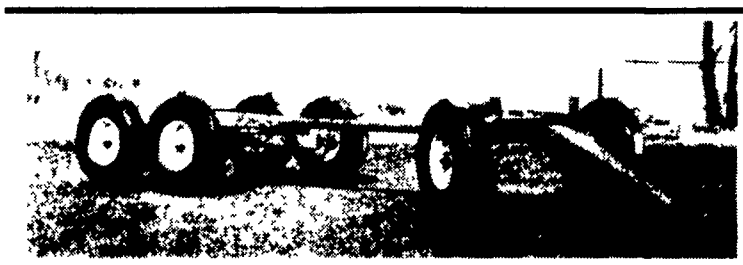

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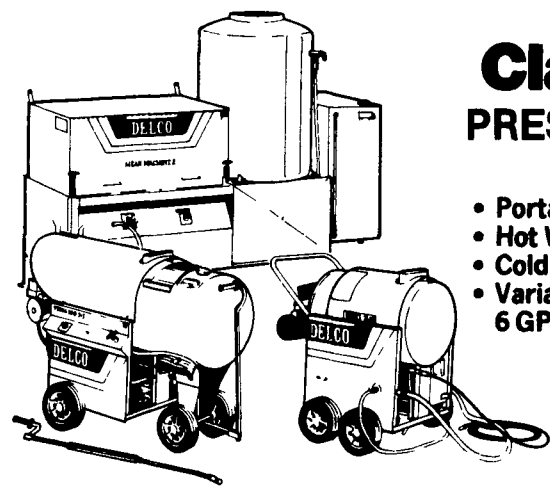

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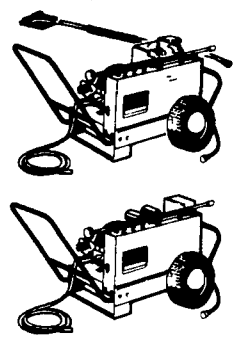

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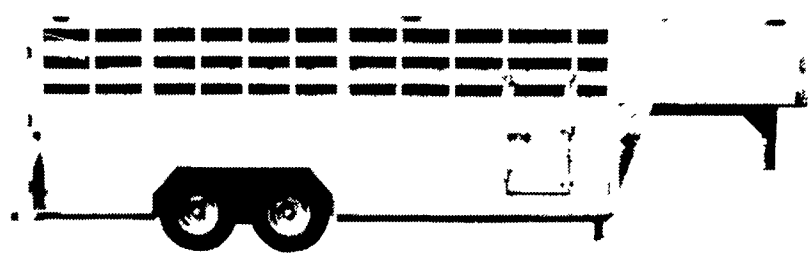

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# Soviet

(Continued from Page E30)

in China, most recently – says Koopman.

To begin with, he says, meaningful labor incentives are nearly nonexistent because quality consumer goods are in short supply and worker incomes tend to be equal despite differences in ability and effort. "The incentive problem affects farmworkers, as well as those supplying farm inputs and services. Rural wages have grown rapidly in the last 25 years, narrowing the difference between wages in rural and urban areas. But the lack of consumer goods and services remains more acute in rural areas, hastening the outmigration of the most productive workers."

Koopman says the Soviets started off on the right track, "identifying a number of problems inhibiting Soviet agricultural production, including an inflexible bureaucracy and lack of worker incentives. Their attempts to correct these problems, though, do not address the underlying causes, which include too centralized decisionmaking and the lack of market-determined prices."

Instead, he continues, "the Food Program adjustments occur at the margin, trying to better the existing system. Hence, the changes can bring about only marginal improvements in agricultural performance. Thus far, even the slight improvements have been undermined by slow and inconsistent adoption of the Food Program's structure and policies."

Koopman goes on to say that "there is little evidence that the Food Program's mandates have significantly bettered management, planning, and decisionmaking. There is still little or no profit incentive for managers to introduce technological changes. Although the Soviet government increased procurement prices for many agricultural commodities in January 1983, resulting in increased farm profits that year, the effects of improved profitability tend to be short lived in the Soviet Union."

At least one aspect of the Food Program does appear to be on schedule.

"The policy of increased investment in rural areas to develop and improve housing, cultural facilities, and schools seem to be working well and should help slow the exodus of highly productive workers from the countryside and raise overall labor productivity in agriculture," says Koopman.

**Imbalance In Investment**

But the Soviets have not shifted their overall agricultural investments in a balanced way, despite the Food Program's call for just such a move.

"The program emphasizes the need to increase the share of investment going to the agricultural input and processing sectors," he says. "If these two sectors remain underdeveloped, they will likely hinder overall agricultural development. Even if Soviet investment policies succeed in raising output at the farm level, the increased food production will never reach the consumer without the equipment and the processing centers to handle a larger harvest."

Although Koopman isn't suggesting it will soon happen, he says that Soviet adoption of some modest market incentives – perhaps on the Chinese model – would result in significant gains.

"Under these conditions, the Soviet Union would certainly produce a wider variety of higher quality agricultural products, though they would probably be sold to the public at much higher prices," Koopman says. "And if a market economy was fully implemented in the Soviet farm sector, one might expect a substantial number of the currently operating farms to fail. Many of the geographical areas currently being farmed would fall out of production as a result of comparative disadvantages."

Koopman says "imports would also increase, at least in the short term, although there would be greater productive efficiency in the farmland remaining. This kind of trade-off would likely benefit the Soviet Union if it could import agricultural commodities at significant savings over its current production costs, and reinvest these savings into a modern, market-responsive industrial base."

Striving for such potential gains represents the rational choice from a Western perspective, he says.

Koopman suggests that the Soviet Union will likely continue to import sizable quantities of grain and oilseeds.

But he says the United States won't necessarily be the first or largest supplier.

The Soviets are still smarting from the sudden embargo on U.S. grain sales imposed in 1980. Even so, they're shrewd enough to buy from the United States – or any one of its competitors – when the price is right."

At the moment, U.S. soybeans are favored by Soviet officials, who have purchased record amounts for delivery this year. Soviet officials also bought 15.8 million tons of corn from the United States in the 1985 fiscal year, far surpassing the minimum 4 million tons required under a long-term agreement between the two nations.

On the other hand, the Soviets fell more than a million tons short of their 4-million-ton wheat commitment in 1984-85.

Overall, Soviet imports of U.S. farm products were valued at $2.5 billion in fiscal 1985. That represented about a $30-million reduction from the previous fiscal year.

At a projected $1.4 billion, U.S. farm exports to the Soviet Union in fiscal 1986 are projected at only about 55 percent of last year's level.

"A major reason for the drop in U.S. exports is the better than normal Russian grain harvest in 1985," says Koopman. "Other factors are the still strong American dollar relative to the Argentine peso and Canadian dollar, aggressive marketing of major grain competitors, and Soviet problems in earning hard currency for more farm imports." (Doug Martinez, Info. Spec., USDA)


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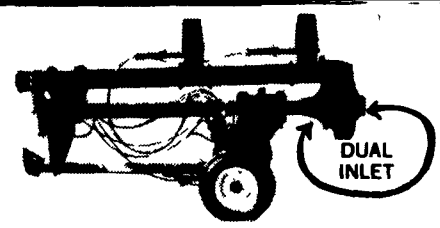

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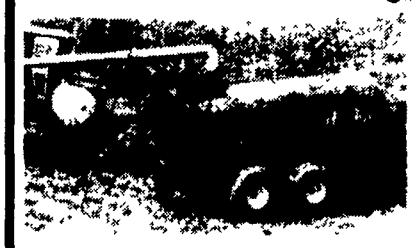
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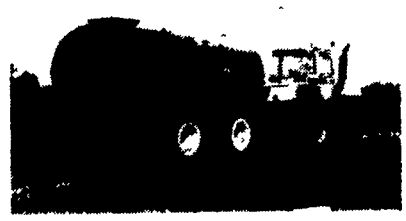
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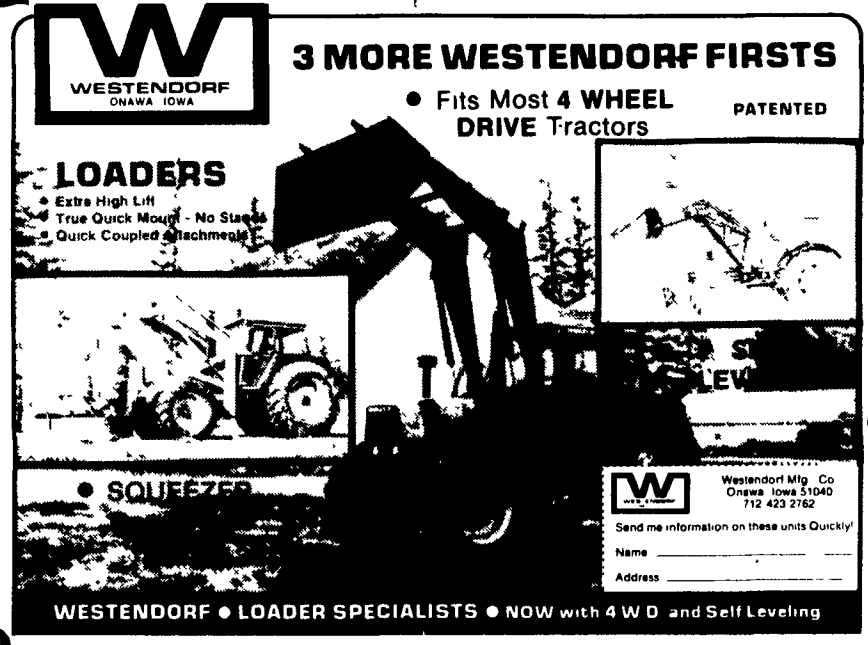


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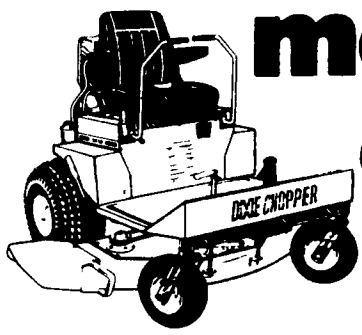


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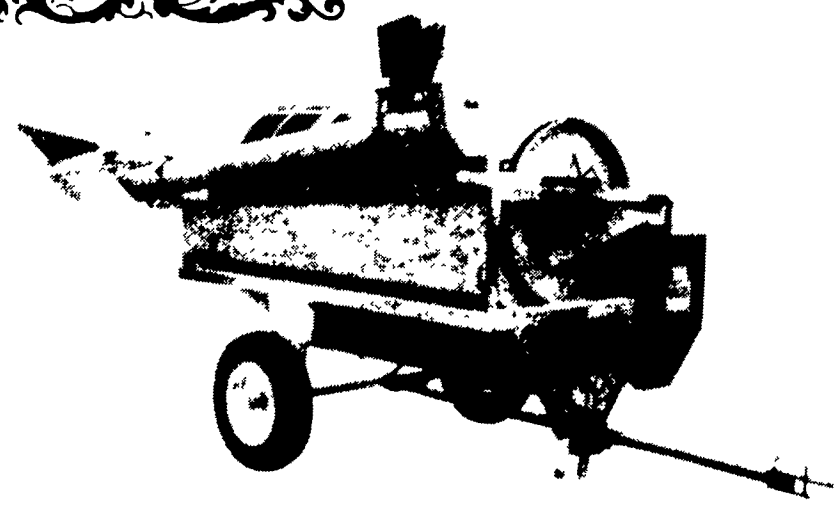

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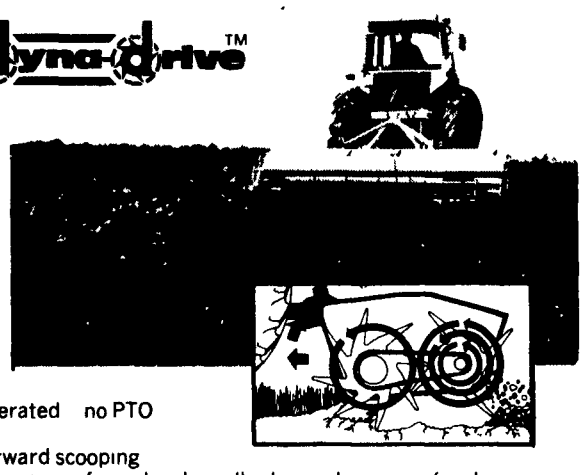

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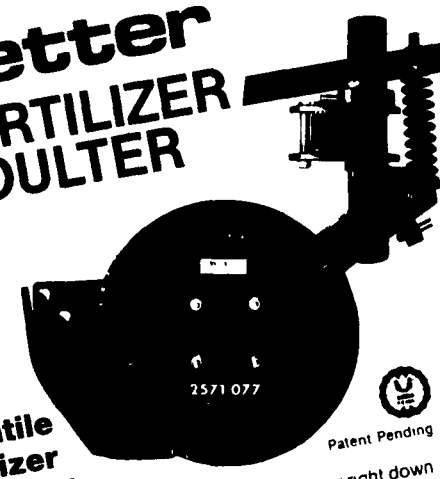


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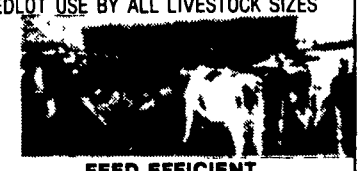

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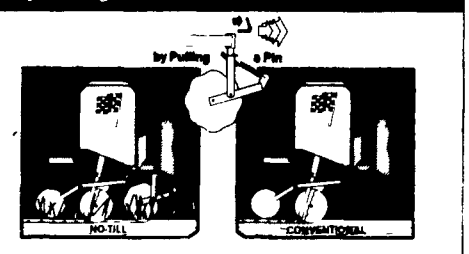


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# Grant Awarded To Study Grain Sorghum

Two University of Delaware extension specialists and a marketing specialist with the Delaware Agricultural Experiment Station have received a $9000 grant from the Delaware Department of Agriculture to study grain sorghum production and market development opportunities in the state.

The marketing part of the two-pronged project will be conducted by Carl L. German, extension crops marketing specialist, and Ulrich C. Toensmeyer, professor of agriucultural marketing. With the aid of this grant, the hope to:

• determine the per acre cost of growing grain sorghum.

• determine the economic feasibility of substituting sorghum for corn in poultry and livestock rations.

• analyze the impact on the state's agricultural economy of growing more sorghum and less corn and soybeans.

Extension soil fertility and crop production specialist Dr. Richard W. Taylor will evaluate commercially available grain sorghum varieties for agronomic and chemical traits and the production practices necessary for market development and crop acceptance on Delmarva. He will also publish a list of characteristics of grain sorghum varieties tested to help farmers assess their market appeal.

Sorghum, also known as milo, can be substituted for corn in poultry, swine or beef cattle rations, but some varieties are more palatable than others, depending on their tannin content.

The purpose of the one-year project is to determine the feasibility of growing sorghum in rotation with soybeans on nonirrigated sandy soils in Sussex and lower Kent Counties.

Many dryland farmers now grow continuous soybeans on these droughty soils because corn yields are so uncertain. The practice has led to a drastic decline in yields in recent years, due to the buildup of diseases and soybean cyst nematode infestations. Planting sorghum, which tolerates drought better than corn, could be on way to break out of this unprofitable monoculture.

However, before sorghum can be considered a viable alternative crop for Delaware, farmers must have an assured market. Broiler industry demand for milo on Delmarva will depend on the price of this grain compared to the price of corn. Demand will also be affected by the amount and consistency of supply. A cost-effective production system tailored to Delmarva growing conditions must also be developed.

# Veterinary Assn. Issues Recommendations

In the aftermath of the assault and vandalizing of a layer operation in Delaware last month by animal welfare activists, the American Veterinary Medical Association (AVMA) has published its official position on layer husbandry.

AVMA's position is that the current use of cages to house layer chickens will continue. Present knowledge is not sufficient to support a radical change or ban of this system. Cages now house approximately 95% of the 250 million laying birds in the United States. The productivity and health of these birds has improved in many respects, indicating that confinement housing in cages can enhance the welfare of birds when coupled with proper management.

Research to develop and evaluate model test systems to more fully understand the physical, behavorial and medical well-being of laying birds in confinement systems is encouraged by AVMA.

AVMA recommends that unwanted chicks, poults, and pipped eggs be killed by an acceptable humane method, such as carbon dioxide euthanasia. Smothering unwanted chicks or poults in bags or containers is not acceptable. Pips, unwanted chicks, or poults must be killed prior to disposal.

AVMA recognizes that, when necessary, beak trimming to remove the sharp tip should be performed in a rapid manner on young chickens and turkeys to prevent or reduce the natural habits of cannibalism, fighting, and feather picking. The procedure should be done only by properly trained personnel, and alternative methods for the control of cannibalism should be sought.

It is AVMA's position that induced moulting of layer birds, which is designed to bring the entire flock into a resting period at the same time, is an acceptable management practice, when done under careful supervision, using reduced light and low sodium/calcium diets. The starvation/water deprivation method of induced moulting is not acceptable.


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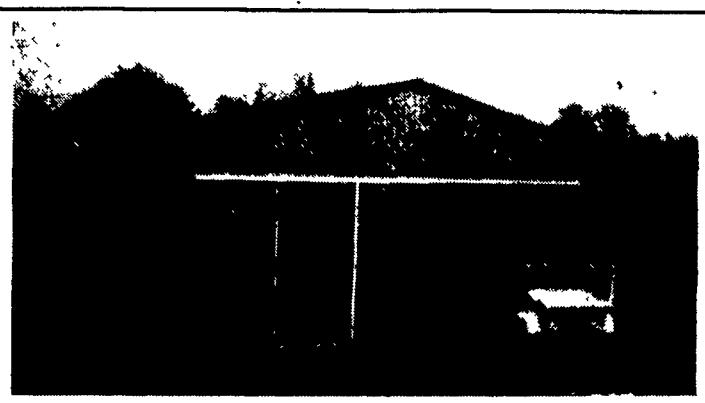

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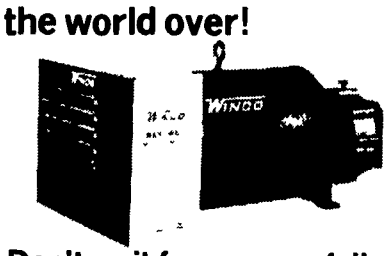


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# Will Lower Loan Rates Boost Exports?

How can lower loan rates help U.S. agriculture compete for export markets if our competitors continue to subsidize their own producers?

The answer, say many economists, is that lower loan rates will help discourage these subsidies, according to a recent issue of the Agriculture Department's ***FARMLINE*** magazine.

To follow this line of reasoning, you have to recognize that U.S. loan rates have an impact far beyond the domestic market. U.S. loan rates set a price floor that can reduce the subsidy burden on many foreign competitors, allowing them to undercut our prices at a relatively low cost — a cost they can afford. In recent years, the price floor provided by our loan rates has been high enough to give even many of the less efficient agricultural producers abroad an incentive to increase production.

The U.S. government was, in effect, accepting part of the cost of these foreign subsidies, says economist Keith Collins of USDA's Economic Research Service. Foreign governments could subsidize with the assurance that their budget exposure would be limited by U.S. actions. The U.S. government would step into the market, buying up its farmers' surpluses whenever prices fell to loan rates.

The more that foreign production cut into U.S. sales, the greater the surpluses accumulated by the United States. This policy partly shielded foreign producers from the price consequences of their own rising output.

**No More Guarantee**

So what happens if we continue to lower the "guaranteed" price floor, allowing our prices to adjust to market demand? To the extent that foreign producers have higher costs of production and are less efficient than our farmers, and that is often the case, we can make these subsidies very expensive to our competitors, Collins says.

To maintain the production incentive, foreign subsidies must rise as world market prices fall. Once it becomes evident that the United States won't price itself out of the market, or buy up the world's surpluses to support prices, other producing nations will recognize that they'll have to share the consequences of larger production.

The assumption is that many of these subsidies will become so expensive, so unaffordable, that the United States is likely to face less competition for markets in the long.

This is one of the assumptions implicit in the 1985 farm bill. Although its validity can only be tested with time, there has already been at least one positive response, says Collins. "Canada recently announced substantial reductions from 1985 in the initial prices it will pay its farmers for 1986 wheat and barley. The Canadians could have chosen to keep prices up but did not."

Another promising sign: recent declines in the value of the U.S. dollar on international currency markets. These declines make it all the more likely that the new price support policies will succeed in stimulating sales of many American commodities. The lower valued dollar makes our exports more competitive and less expensive for foreign buyers whose currencies have appreciated against the dollar. Similarly, it lowers the farm prices facing producers in those competing countries whose currencies have appreciated.

**Potential Drawbacks**

But there are potential risks to a more aggressive U.S. export policy, especially in the short term, adds Collins. Nations may be tempted to respond by retreating into protectionism or by threatening trade wars. There are also costs to American agriculture in maintaining a competitive edge in a more open world market, costs in terms of resource adjustments, risks of wider price swings, and so on.

In addition, Collins points to the potential for mixed signals that may come from U.S. acreage reduction programs. These programs, he says, have represented an American commitment to eliminate surpluses and raise prices by restricting U.S. production. The future possibility of higher prices and the promise that the United States won't unleash its full production capacity whenever surpluses start rising may weaken efforts to induce our competitors to curtail their own excess production capacity.

The willingness of the United States to continue to pay for acreage reduction programs and for the maintenance of any surplus stocks may bring the issue of foreign subsidies down to the question of "who's got the deepest pockets," says Collins.

Finally, there is uncertainty related to the reaction of importing nations. As a group, these nations have shown considerable growth in self-sufficiency over the last decade. One motive was to protect themselves from sharp, periodic price stability to the market. Lower loan rates mean a "greater opportunity for price instability," Collins explains. This may encourage some importing nations to continue their efforts to reduce dependence on world markets.

"We don't know the final outcome of our new, market-oriented farm policies, and I don't expect to see most of our export competitors actually cutting back on production," says Collins. "What I do expect, however, is a slower rate of expansion in foreign production by both importers and major exporters."

In his view the more competitive stance puts the United States in a position to take advantage of renewed growth in world demand, when it comes. "In essence, our ability to expand production greatly, at low cost, sets us up to be the major beneficiary of future increases in global trade," he contends.


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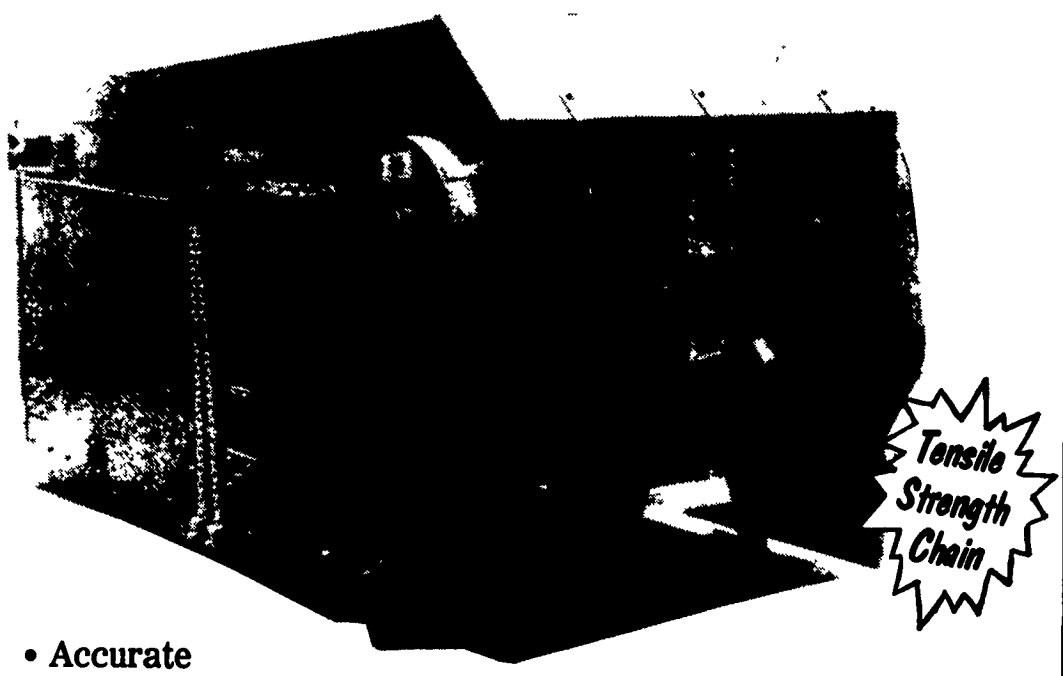


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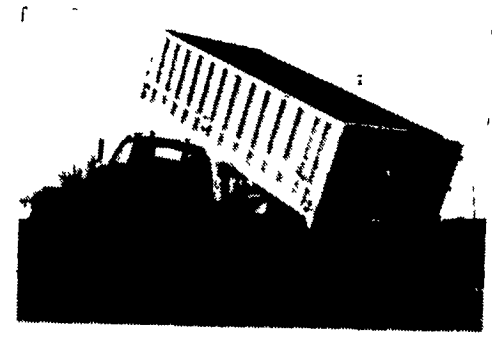

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# Schultz Brothers Make Partnership Last A Lifetime

BY HELEN KELCHNER
Columbia Co. Correspondent

BLOOMSBURG — The Shultz Brothers of Bloomsburg R.D. #9 have a successful dairy and farming operation in which cooperation and good management have served them well.

Leo, Clark and Paul established the family partnership 32 years ago. Their father died in his late 40's and the boys worked the farm for their mother until 1953. At that time they bought the stock and equipment from her, combined two farms in the operation and have succeeded in building a herd of 150 registered Holsteins.

Their present acreage amounts to 448 acres, 378 tillable. A creek runs through the farm bordered on both sides by a stand of trees.

The Shultz Brothers manage their farm business with an eye toward thriftiness. Clark says they try to save big interest dollars by avoiding borrowed money on items they can do without. For instance, no towering silos mark their farm and their equipment consists of good, well-maintained machinery that has been in use for many years. Leo says they have several tractors which are old, but in good condition. Their well run machine shop repairs breakdowns and keeps the operation running smoothly.

This careful management does not mean that modernization is sacrificed. Far from it. A 38-by-150 barn built in 1962 accommodates 60 milking head. It is equipped with a Surge Pipeline milking system combined with Tru Test metering.

The cows are fed with a feed cart which was designed and constructed by the brothers.

An isolation transformer is very much in evidence just inside the barn entrance to protect the herd from stray voltage. Leo says the transformer protection amounts to about the price of a cow, but could amount to a great deal more in lost revenue without it. He added, "We couldn't afford to gamble." A transmission power line runs through the farm. Shultzs were alerted that a problem existed when shocks were experienced in the cooling room sink during clean-up.

As for silo storage, Clark, the youngest of the brothers, proudly points out a 58-year-old wooden structure that was under construction the day he was born. This 12-by-30 storage for grass silage is kept in good repair and is quite adequate on the farm where the heifers and dry cows are kept. An additional 100 ton capacity trench serves as storage for the heifers mixed feed. Just a short distance up the road, the second farm has a 12-by-35 Marietta storage bin used either for grass or corn.

Milking cows are fed a balanced ration twice daily and about 16 pounds of silage. Each cow is given about 20 pounds of hay in the morning. Carts fashioned by the Shultz brothers are loaded with silage and pushed or hauled by trailer to the respective stock. This had been a 25-year-nutrition practice following guidelines from DHIA.

The brothers are also alert to energy saving methods. They have installed a 125 gallon pre-heating water tank which uses heat generated from the milking system compressor. This tempered water goes into the hot water tank in the milk storage room.

The Shultz farm operation finds methods of getting around the $60 to $100 a ton bedding when their straw runs out. Clark says that good dry fodder goes farther than straw. They chop their corn stalks in the field, turn it over in rows like hay and gather it for bedding.

Leo explains another bedding material they harvest from timothy. First, they run a combine through to harvest the seed which amounts to about 150 bushels. Following this, they cut the stalk for bedding, a yield of about two tons per acre. They keep enough seed for their own use and sell the balance. This profit recovers the cost of the combine and the bedding is a bonus.

The only other grain they merchandize is shelled corn when they have a surplus.

Seventy milking head of Holsteins fill the new barn with some juggling of 10 over capacity. About 40 dry cows and 40 heifers are housed and pastured on the adjacent Shultz farm. The heifers from 15 months are kept out all winter. They are brought in each morning and fed grain individually with free choice silage. A hay cart is available out in the field. When the heifer is about a month from freshening, she joins the dry cows in the "dry yard." This latter group is never turned out.

The herd average in June for 74 cows was 18,751 pounds and tops Columbia County with 785 pounds of fat, as listed with DHIA.

Sire Power's Elevation, Jet Stream, Gemini, Stewart, and Chairman are used for breeding. The herd was produced 50 daughter from Chairman.

Shultz Brothers Farm has taken the high producer award in Columbia County several years in the past.

One cow in their herd, Shul Bro Job Dolly, produced 20,357 pounds of milk with a 5.1 percent test, and 1,043 pounds of fat in 315 days. Her dam, out of Elevation, was sold at the Reading State Convention Sale.

Two years ago, Shul Bro Jet Stream Jill completed a 305 record of 29,040 pounds of milk with a 319 percent test and 1,136 pounds of fat. She was sold at the Pocono Sale in 1982 to join the "Excellent" herd of former president Jimmy Carter in Huntington County.

A Marshfield Elevation Tony son from the Shultz herd is destined for Taurus service.

Every year about 25 cows are sold for dairy purposes after their first or second record.

The Shultz's have been involved with consignment sales for nearly a dozen years. They feel it has given their stock good advertising and they've made money over and above their milk and grain sales.

About 150 acres of corn are raised on the farm with 40 to 50 acres of wheat and the balance in hay.

Milk is sold to Farmland Dairy, Wallington, N.J.

The only help on the farm besides the three brothers is Leo's son Larry and Larry's son Jason, who is in 10th grade, in addition to Paul's son, Mark recently graduated from Danville High School. Mark was in FFA and received a Keystone Farmer Degree.

Leo, Clark and Paul have no special jobs. They all pitch in where work needs to be done.

An interesting project they recently completed was the remodeling of a hog pen which had a second floor chicken house. The finished job is a roomy cement-floored, drive-in workshop for machinery repair. When the project was nearing completion, they had a 5-foot opening, but no door.

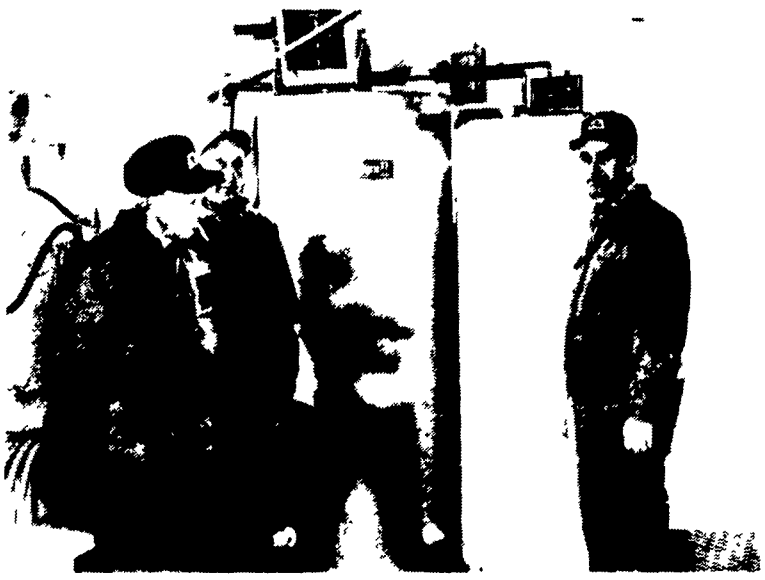
Some time ago, Paul saw an ad for a used overhead sliding door, but found out it was 6-foot wide. He passed it by, but sometime later, he noticed the door was still for sale. He arranged to look at the door and get a price. As it turned out, the seller was asking $50 for an almost new sliding garage door.

Clark bought it on the spot, but he still had only a 5-foot opening.

No problem for the Shultz brothers. They just moved the entire side of the two floor building about two feet to accommodate a 6-foot door. This required a strip of cement on the interior floor as well. Transite siding covers the exterior making an attractive and durable addition to the Shultz Farm complex.

"The Shultz Feeder" is what Clark, Paul and Leo agree this ration cart should be labeled. It was designed and constructed by the brothers to meet their herd's individual needs.

Leo, Clark and Paul reconstructed this former hog pen — chicken house into a drive-in maintenance shed. When a bargain overhead garage door was purchased, the brothers simply extended the entire two floor building to enlarge the original 5 foot opening to accommodate the 6 foot door. The door was advertised in a local paper and Clark saw the value in the almost new door with a selling price of $50.



Paul, Leo and Clark have installed a 125 gallon preheating water tank which uses heat generated from the milking system compressor.

The heifers from 15 months old are kept out in this field all winter. A stream provides water and they are brought in every morning for individual feeding. Free choice hay is available in the field.

## Chesapeake Bay Foundation Names Pa. Coordinator

HARRISBURG — The Chesapeake Bay Foundation announces the appointment of Thomas P. Sexton III, a Pennsylvania native, to head the Foundation's new Harrisburg office. As Pennsylvania state coordinator, Sexton will oversee development of CBF's environmental defense, environmental education and land conservation programs in the Upper Bay area. Sexton comes to CBF from a senior staff position for a U.S. Congressman from Maryland.

"Tom Sexton's broad experience in the fields of environmental education, natural resource planning, and legislation, coupled with a long-standing familiarity with the state of Pennsylvania, will be indispensable as he shapes CBF's Pennsylvania presence," said Foundation president William C. Baker.

Sexton's immediate challenge is to show Pennsylvanians the direct link between their treatment of tributaries and the health of Chesapeake Bay. "The Susquehanna River drains an area of 27,500 square miles (half the state of Pennsylvania) and supplies half the Bay's fresh water," he says. "How we, in Pennsylvania, treat the Bay comes right back to us both in recreational opportunities and the food products we enjoy. A healthy Bay is in everyone's best interest."

CBF, with over 37,000 members in 50 states, maintains its headquarters in Annapolis, Md. and a second field office in Richmond, Va. Establishment of a CBF Pennsylvania office is made possible by a grant from the Richard King Mellon Foundation of Pittsburgh.

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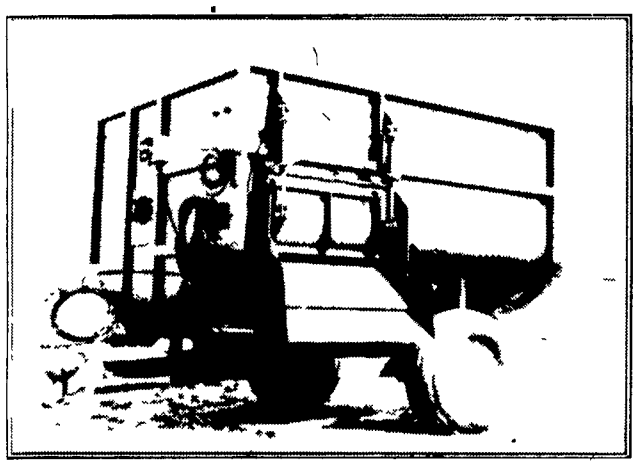
## Roto-Master Feed Mixers



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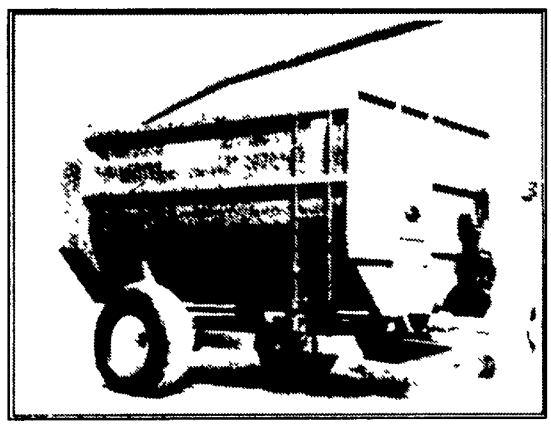
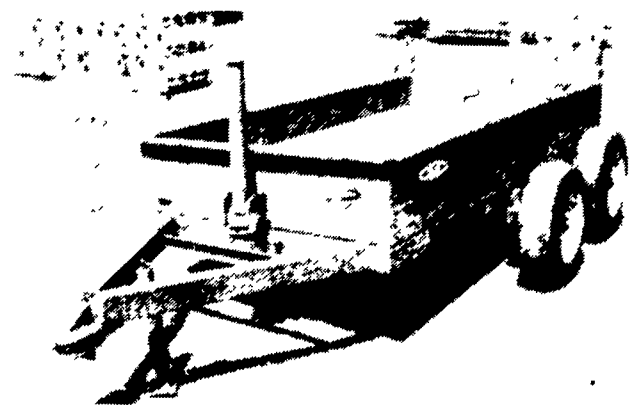
- Splined shafts for positive drive
- Enclosed oil bath for longer life chains



# HYDRAULIC DUMP TRAILER



## SPECIFICATIONS:

Box 5' wide x 10' long by 12" high.
Lifting angle: 45°
Capacity: 7 tons
Floor Height: 16"

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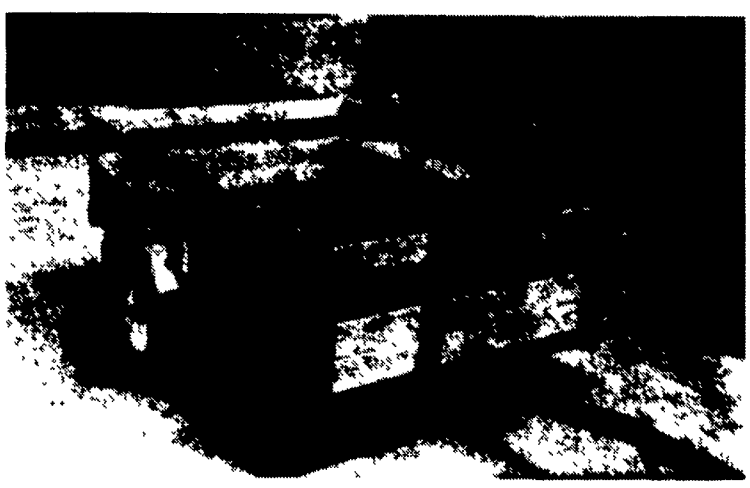

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| UT7225S-1 | 6x8 | 2500 LB. | 545 LB. | B78x13 |
| XL7225S-1 | 6x10 | 2500 LB. | 621 LB. | B78x13 |
| TT7212 TANDEM | 6x12 | 3000 LB. | — | 4.80x12 |
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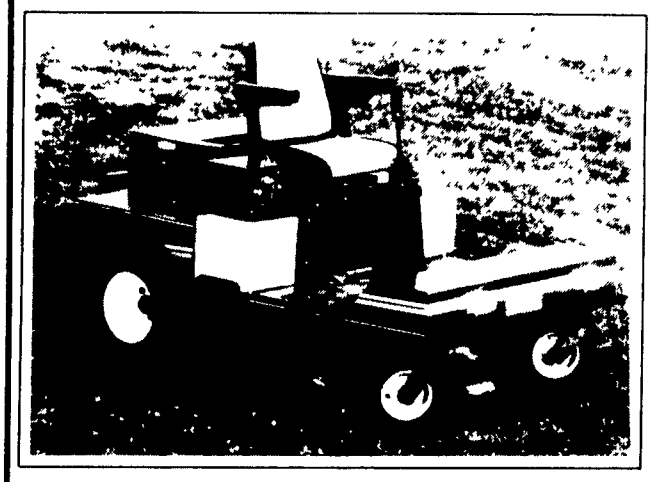

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# Agriculture's Adjustment Paves Way For Modest Gains

"The farm sector is making the necessary adjustments to position itself for modest gains in the late 1980's and beyond."

This is one of the conclusions presented in a recent briefing for top USDA officials, which was summarized in a recent issue of the Agriculture Department's FARMLINE magazine. The briefing, prepared by several economists of USDA's Economic Research Service, delved into the origins and the likely outcomes of the current farm financial situation.

It is the view of these economists that the strong market signals of the 1970's— signals that encouraged rapid expansion in production, the excessive bidding up of land values, the accumulation of large debts, and increasingly intensive use of productivity boosting inputs–had a limited life span. Agriculture's response to those transitory signals, they say, left many farmers highly vulnerable to what was probably an inevitable return to more sustainable conditions.

It has been the pain of adjusting to the dramatically different financial and economic environment of the 1980's that has come to be called the "farm crisis."

The consensus of the economists is that something similar to these new, slower growth conditions–rather than those of the 1970's–is likely to prevail through the remainder of this decade and into the 1990's.

**What's Ahead**

What does this imply for agriculture in the months and years ahead? The analysts recognize that the consequences of agriculture's financial stress are not over–that some farmers who held on through the last few years will be squeezed out in the next few, and that depressed rural communities cannot expect a quick recovery.

On a more positive note, however, they agree that a major portion of the underlying adjustments seem to have already been made. These include lower production costs and land values, a reduction in the sector's debt burden, more favorable dollar exchange rates on world markets, and the implementation of policies designed to improve the competitiveness of U.S. export commodities.

Although the repercussions will continue, many of the economic adjustments still occurring are going to be less severe than those already experienced, says Ron Meekhof, the USDA economist who directed the briefing.

Here is Meekhof's summary of what he and the other analysts had to say about prospects for the future:

• Adjustments are well underway in the farm sector to a lower asset and cost structure that is consistent with the general economic and world agricultural setting of the 1980's. This year will mark the first time since the early 1930's that farmers' cash expenses have dropped for two consecutive years.

• These adjustments should leave the sector in considerably better financial condition and poised for modest growth by the end of the decade. Farm policy, as reflected in the 1985 farm bill, will play an important role in providing income support for the sector throughout this period. As agriculture makes the transition from the 1970's environment of rapid demand growth, high inflation, and low real interest rates to the slow demand growth, low inflation, and higher real interest rates of the 1980's, the aggregate measures of the sector's performance will improve.

• Nevertheless, the gains from this transition are not expected to materialize fully until late in this decade. In the next two or three years, some farmers are likely to be forced from the sector by economic circumstances; farm financial institutions will continue to suffer financial stress; the real wealth of the sector may decline further; and farm communities dependent on agriculture will be hard pressed to share in national economic growth. Financial problems will continue until the production capacity of the sector is lowered to levels that are consistent with demand or until production costs and debt have fallen to levels that can be supported by income.

**Reducing Excess Capacity**

Agriculture's excess capacity and the outlook for demand growth are critical factors affecting the economic outlook for the sector. Meekhof continues:

• The current situation of excess capacity in the farm sector should soon begin to ease. The growth in the use of inputs, especially fer-

(Turn to Page E43)


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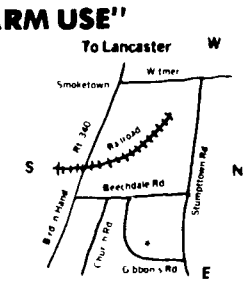


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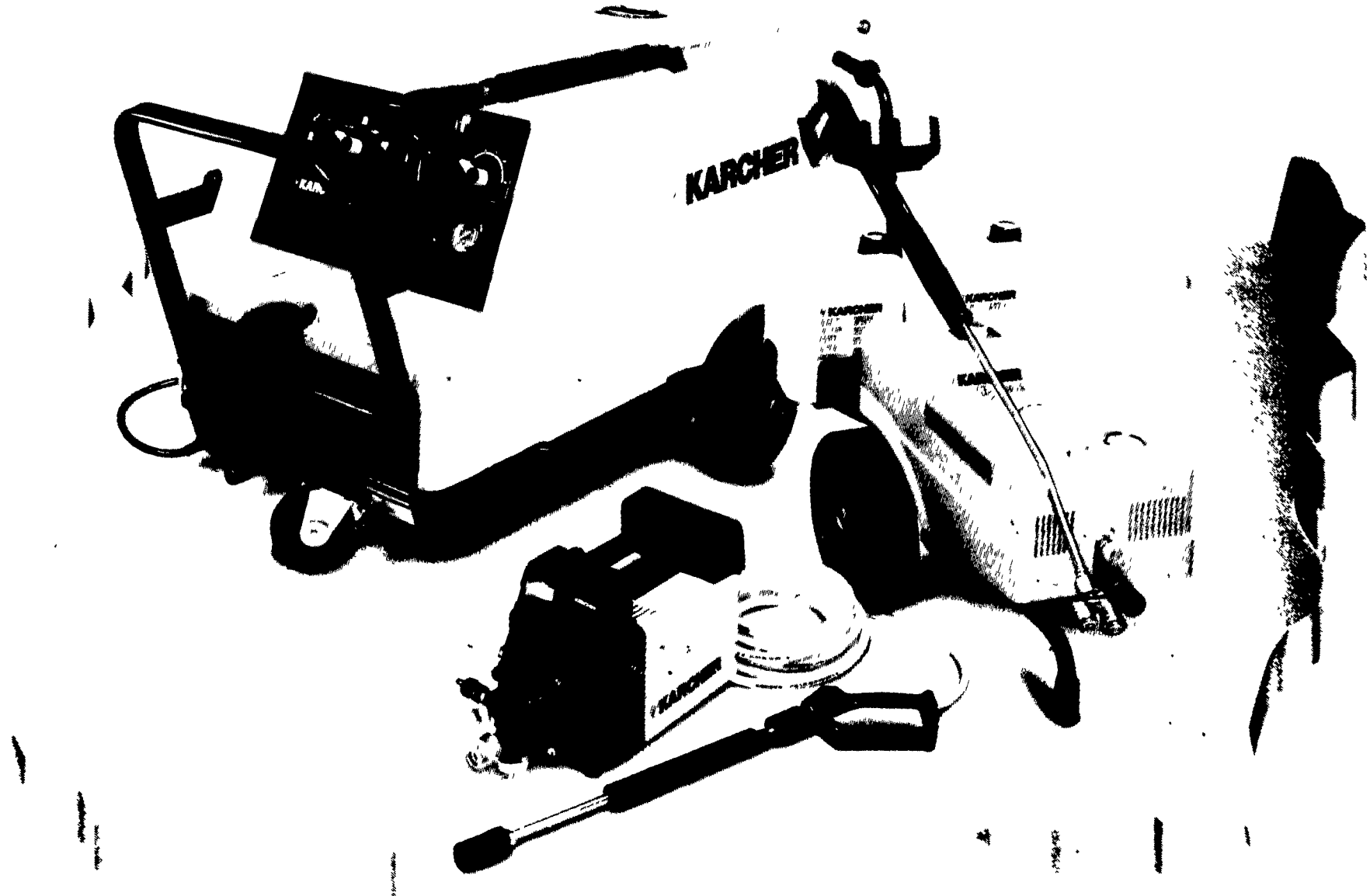


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# Pesticide Runoff From Home Towns At Ag Progress

UNIVERSITY PARK – Visitors to this year's Ag Progress Days will have a chance to see how Penn State researchers are testing ways in which pesticide runoff from home lawns affects water quality.

"Water Quality and Your Life" is the theme of this year's Ag Progress Days, to be held August 19-21 at the College of Agriculture's Rock Springs research facility.

Thomas Watschke, professor of turfgrass science, is conducting studies on experimental turfgrass plots to learn how chemical runoff affects the water supply. The study is being conducted at Penn State's Landscape Management and Water Quality Research Center.

Dr. Watschke and his assistants apply various pesticides and fertilizers to sloped plots of seeded and sodded turfgrass that range in quality from thinly vegetated to thickly vegetated. Rainwater runs into catch basins, where automatic equipment measures the rate and amount of runoff every 60 seconds. The water samples are then collected so fertilizer and pesticide content can be analyzed.

Dr. Watschke's exhibit at Ag Progress Days will include enlarged color photographs of the runoff test site, including closeups of the measuring equipment. Captions that describe the research will accompany the photos.

The exhibit will also feature a model of the test plots–a 6'x3' slab of sod mounted on a tilted bed. "Through the photos and the model, we want to show people coming by that this type of research can be done, that it is being done and that results are forthcoming," Dr. Watschke says.

Although data on pesticide and fertilizer content in the runoff is not yet available, the researchers have found that a thick, healthy lawn reduces runoff and allows water to be absorbed. "We've found differences of as much as 15 times between runoff from a high-quality lawn and that from a patchy lawn with a lot of weeds," Dr. Watschke says. "I think further results will show that a thick, healthy lawn will retain most of the pesticides applied to it."

Other exhibits at Ag Progress Days will include a demonstration of how microscopic insect life in streams indicates water quality, facts and figures on acid rain in Pennsylvania, a Penn State-designed home water treatment system for sulfur and iron removal and a model showing recommended drainage procedures to control runoff from livestock pens.

# *Dept. of Ag Urged To "Regain Profitability"*

WASHINGTON, D.C. – An independent board of agricultural users has urged the Department of Agriculture to refocus policies that would "regain profitability," rather than continuing to emphasize expanding production.

In order to achieve the objective of profitability, American agriculture must "reduce production costs--while maintaining or increasing yields–by making prudent use of available tools, particularly new biotechnological strategies," the board reported.

The National Agricultural Research and Extension Users Advisory Board (UAB) makes its recommendations to the Secretary and the Congress in its budget and program review. These two annual reports are mandated by Congress.

The UAB is comprised of 25 members from private agricultural producers and suppliers to review agricultural science and education policies and to make recommendations to the Secretary of Agriculture. The current co-chairmen are Dr. William E. Marshall, President of the Microbial Genetics Division of Pioneer Hi-Bred International, Inc., in Johnston, Iowa, and Dr. David Stevens of the Diamond Scientific Co., in Des Moines, Iowa.

"The U.S. Agricultural system needs to focus on profitability in order to provide America with staying power in world competition. Currently, competition is dominated by the battle of the deep pockets–who can survive the longest in subsidized markets," the report states.

"The recent collapse in U.S. world export market share implies that the U.S. farmer's ability to compete in world trade has eroded during the past three to five years," the report continues. "This issue has significant ramfications not only for the future of U.S. farmers, but also for the future of rural agribusinesses, especially in the Midwest and other major farm states."

Copies of this free publication can be obtained by writing the UAB, Room 316-A, Administration Building, USDA, 12th and Independence, S.W., Washington, D.C. 20250. The Board welcomes public comments on the report.


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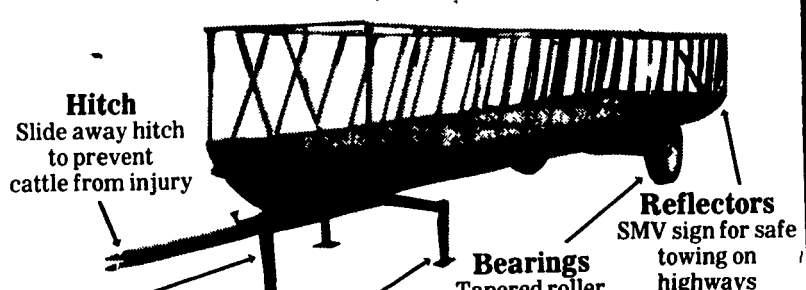


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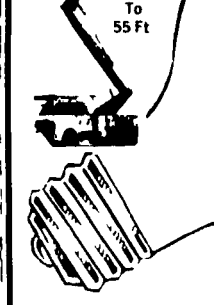


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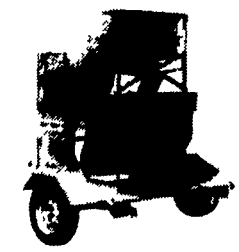

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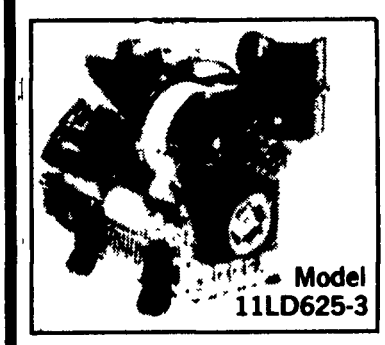


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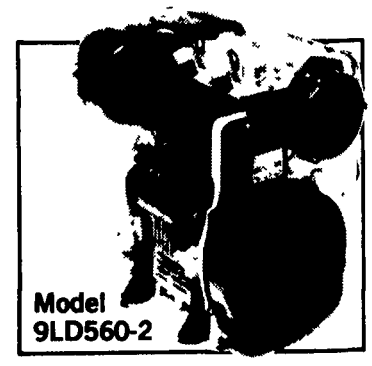


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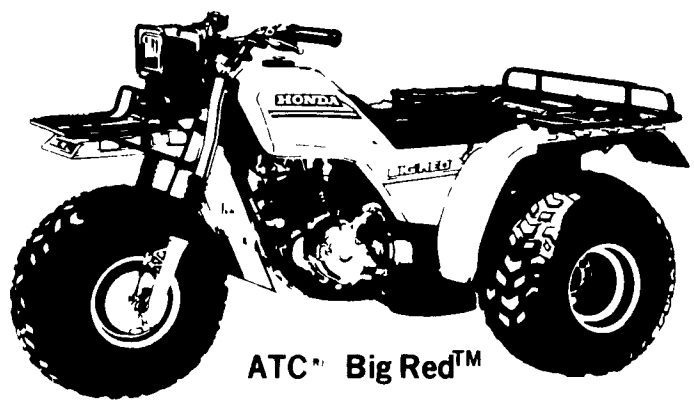

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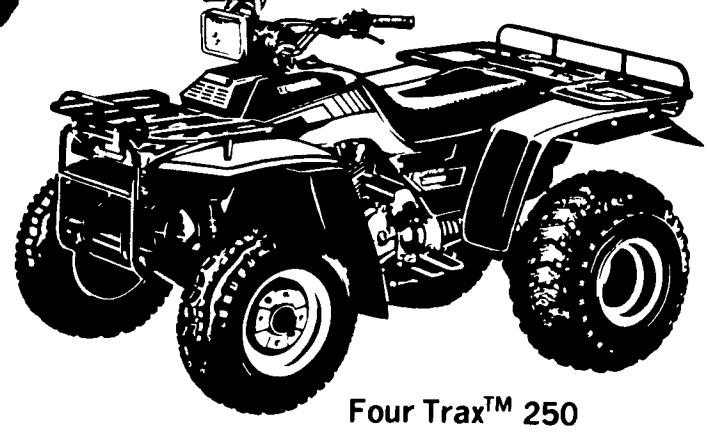

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# Cornell Scientist's "Sunspot" Theory Sees No Early Relief For Southeast Drought

ITHACA, NY – A Cornell University scientist who uses the so-called sunspot theory to make long-term weather predictions sees no signs of early relief for the Southeast now suffering from the worst drought in a century.

Predicting the drought could linger into 1987, Douglas A. Paine says it may take another year for the current drought to break. Paine is a professor of atmospheric science and a leading proponent of the sunspot theory.

As for the Northeast, the drought that persisted for several years in a row, causing serious water shortages for major metropolitan areas last year, ended in the fall after hurricane Gloria swept through the region, Paine says.

"The Northeast is doing very well now, with reservoirs replenished with adequate water supplies," he points out.

Paine bases his projection for the Southeast on a controversial long-range weather forecasting technique that takes into account the waxing and waning of sunspot activity.

Using this theory, Cornell's Paine predicted as early as winter 1981 that severe drought would occur for several years in a row through 1986 for a significant part of the nation, including the Northeast and the region south of the Great Lakes to the Gulf Coast.

"Earlier drought projections based on this theory have been more or less on target," Paine says. "One surprise is that the Northeast drought has shifted to the Southeast."

According to Paine, dark patches that appear on the sun – sunspots – increase and decrease in number periodically, ultimately affecting the weather patterns on Earth.

The current drought was in the making in the late 1970s when, according to Paine, the number of sunspots reached an unusually strong peak. A series of droughts hit much of the eastern United States during the first half of the 1980s.

A similar celestial event took place in the late 1950s, resulting in several successive years of severe drought in the Northeast that persisted into 1986, Paine explains.

The high level of sunspot activity of the late 1970s has diminished to a point where the number of sunspots is now minimal, a condition that will trigger normal precipitation in a year or two, Paine predicts.

The dark patches that appear on the surface of the sun are colossal magnetic storms raging within the incredibly hot gases shrouding the sun. In the process, the sun sends out more ultraviolet light to Earth.

Increased amounts of ultraviolet light create more ozone and heat in the stratosphere, an atmospheric layer about 30 miles above Earth.

The additional heat acts to decrease the exchange of air between the stratosphere and lowest atmospheric levels, reducing the number and intensity of major storms in the East, Paine explains. Such storms account for a major share of the rain and snow east of the Mississippi.

"The stratosphere has been extremely stable over the eastern seaboard during the past few years, greatly diminishing the ability of storms to draw some of their energy out of the stratosphere," Paine points out.

The Cornell scientist believes that the degree of stability in the stratosphere may hold the key to the riddle as to why drought occurs.

Citing the prolonged dry spell in the Northeast in the 1960s, Paine notes that the ocean temperature off the Atlantic coast along the New England states at that time was two to five degrees Fahrenheit below normal. Back then, meteorologists blamed the colder-than-normal ocean temperature for the drought, a theory that has been generally accepted thus far.

But, Cornell's Paine questions the validity of that hypothesis. He points out that the ocean temperature off the Atlantic seaboard is now normal, yet the Southeast is suffering from a devastating drought.

"We (meteorologists) may have to look for additional causes of drought," Paine argues, adding that his theory of the atmospheric stability in the stratosphere may play a role in causing droughts. Paine says he is monitoring the stability of the stratosphere, watching for signs of a break in the pattern.

Paine's sunspot theory for long-range weather forecasting has been a subject of debate among meteorological scientists. Many remain skeptical about the theory.

Nevertheless, the Cornell scientist is not throwing in the towel. Using his theory, Paine predicts that the sunspot activity, which is now at its lowest ebb since last fall, will reach its next peak in 1992. Based on sunspot records dating back about 2,000 years, the number of sunspots varies about every 11 years.

Becase Paine expects the number of sunspots in the early 1990s to be well below the peaks observed in the late 1950s and 1970s, he does not look for a return of drought conditions in the East during the next decade.

## 4-H Judging Teams

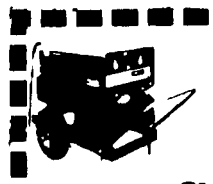
YORK, Pa. – Bigger beef, faster horses and woolier lambs will be judged at livestock shows across the country this summer by state 4-H judging teams who travel with The Pennsylvania State University's livestock judging teams.

The youth teams have received a $5,000 endowment for travel expenses from the Pennsylvania Livestock Association, the Penn State Board of Trustees learned recently in a meeting at the University's York Campus.

The gift to the Pennsylvania Friends of 4-H will provide travel funds for state 4-H livestock. horse and meats judging teams to participate and compete in regional and national contests. The 4-H program is a part of Penn State's Cooperative Extension Service.

Expenditures will be determined by the state 4-H director and will depend on the fund's annual earned income.

This year, in addition to county events and about six state events. teams of four 4-H members will travel with an adviser to national regional competitions in Louisville, Ky. and Kansas City, Mo.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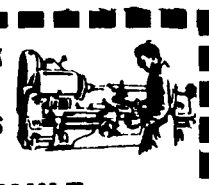
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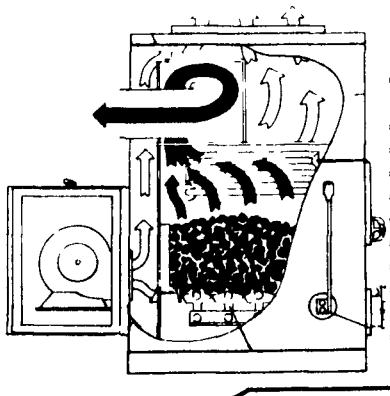
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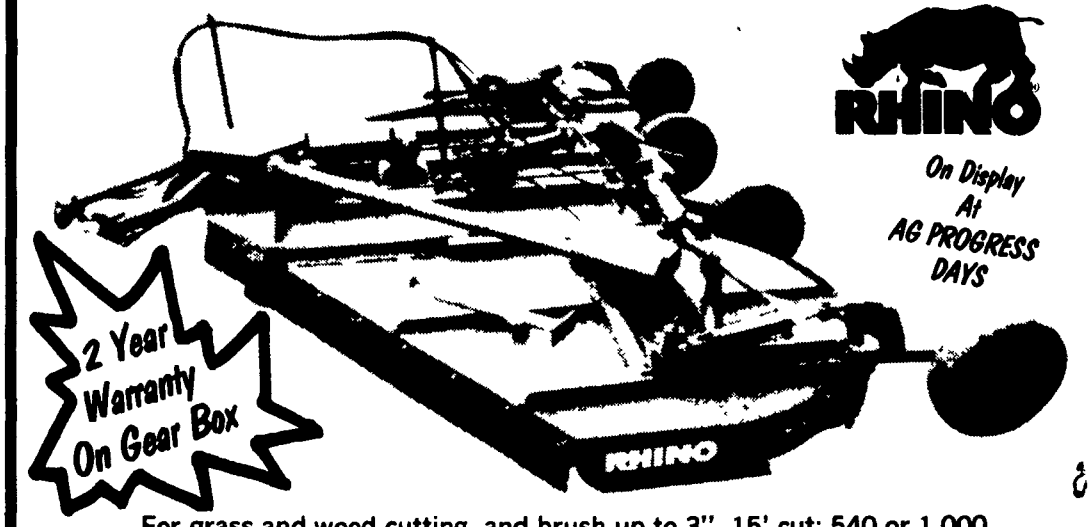
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# Agriculture's Adjustment

(Continued from Page E38)

tilizers, has fallen significantly, and the growth in the volume of crops produced per acre of U.S. cropland has fallen. Investment in machinery and structures has been below replacement levels since 1981 and should also act to curtail productivity growth. Finally, the demand for new loans, which has already declined about 20 percent, should continue to slow as farmers adopt less intensive production processes and other cost-cutting strategies.

• Demand for farm sector output should gradually improve as a result of continuing world economic growth and the decline in the exchange value of the U.S. dollar that began about a year ago. Lower commodity loan rates should also begin to enhance the competitiveness of U.S. crops. Export demand growth may reach three percent per year by the decade's end–still far below the eight-percent annual growth of the 1970's. Domestic demand will grow slowly.

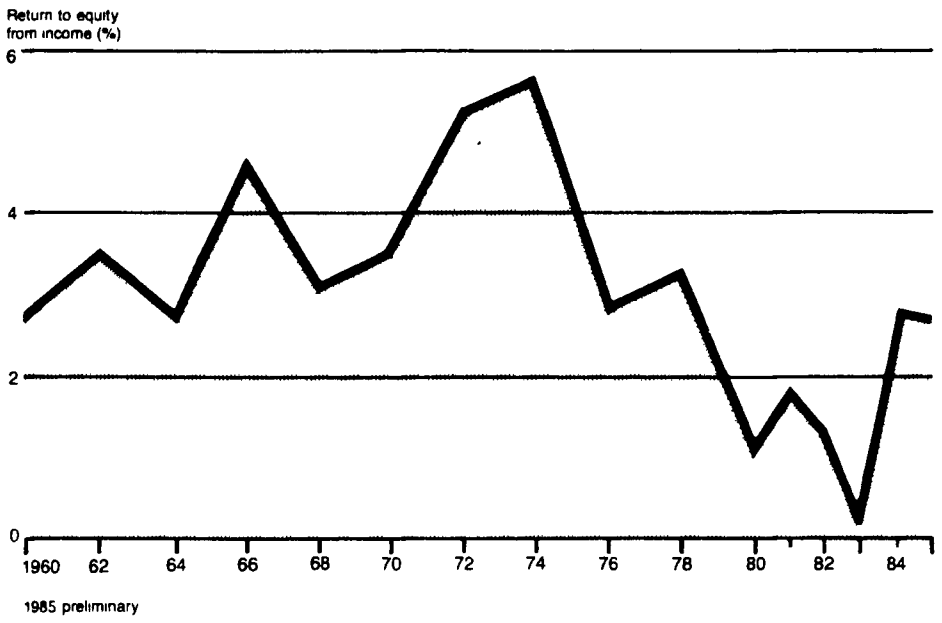
• Farm sector income, returns, and liquidity should begin to improve as many of the above developments occur. However, significant gains are not expected in the near term. Net farm income is likely to be in the $26-$30 billion range in 1986 and 1987 while net cash income is expected to remain near last year's record high, reflecting large government farm payments. At least two years of demand growth will be required to draw down existing commodity stocks to normal levels. Land values appear to be bottoming out in some parts of the country, and current rates of return to farmland have climbed back to levels considered near-normal by historical standards.

"Farm financial stress," Meekhof adds, "reflects an inability of many farmers to service debt load from current earnings. These repayment problems have been made critical by a fundamental readjustment of asset values, resulting in an overall loss in owners' equity of around $270 billion since 1980. Because of this loss (primarily in land), their equity can no longer shield many farmers from their debt repayment problems. Cumulative losses in equity have put some farmers into technical insolvency, as land values have dropped below outstanding loan balances."

For farmers already in this situation–and 96 percent are not–the future doesn't hold much promise of relief, he says. But the adjustments now occurring do hold promise for those who are not overburdened by debt, for those who manage to get their debts under control, and for those younger people who may decide to enter farming.

(Eric Van Chantfort, Info. Spec., USDA)

**After Dropping Sharply, Returns to Investment in Farming Have Moved Nearer to Historical Levels**




# Forwood Elected

SYRACUSE, N.Y. – Earl R. Forwood, president of Eastern Milk Producers Cooperative, has been elected to the executive committee of the National Milk Producers Federation.

The election took place during the federation's recent summer meeting near Arlington, Va., where the group is based.

Forwood, a dairy farmer from Hop Bottom, Pa., also serves on the federation's dairy stabilization committee.

He noted that the federation's member cooperatives represent more than 60 percent of the nation's milk supply.

Forwood also takes an active role in other dairy organizations, including the National Dairy Promotion and Research Board, the Regional Cooperative Marketing Agency, the Dairy Cooperative Coordinating Committee of the Northeast, the Northeast Dairy Conference, and the Pennsylvania Farmers Association.

Before his election to the Eastern board in 1980, Forwood was treasurer and alternate delegate of the Hop Bottom Local. In 1981 and 1982 he served as secretary of Eastern's board of directors, and in 1983 he was elected to his first term as president.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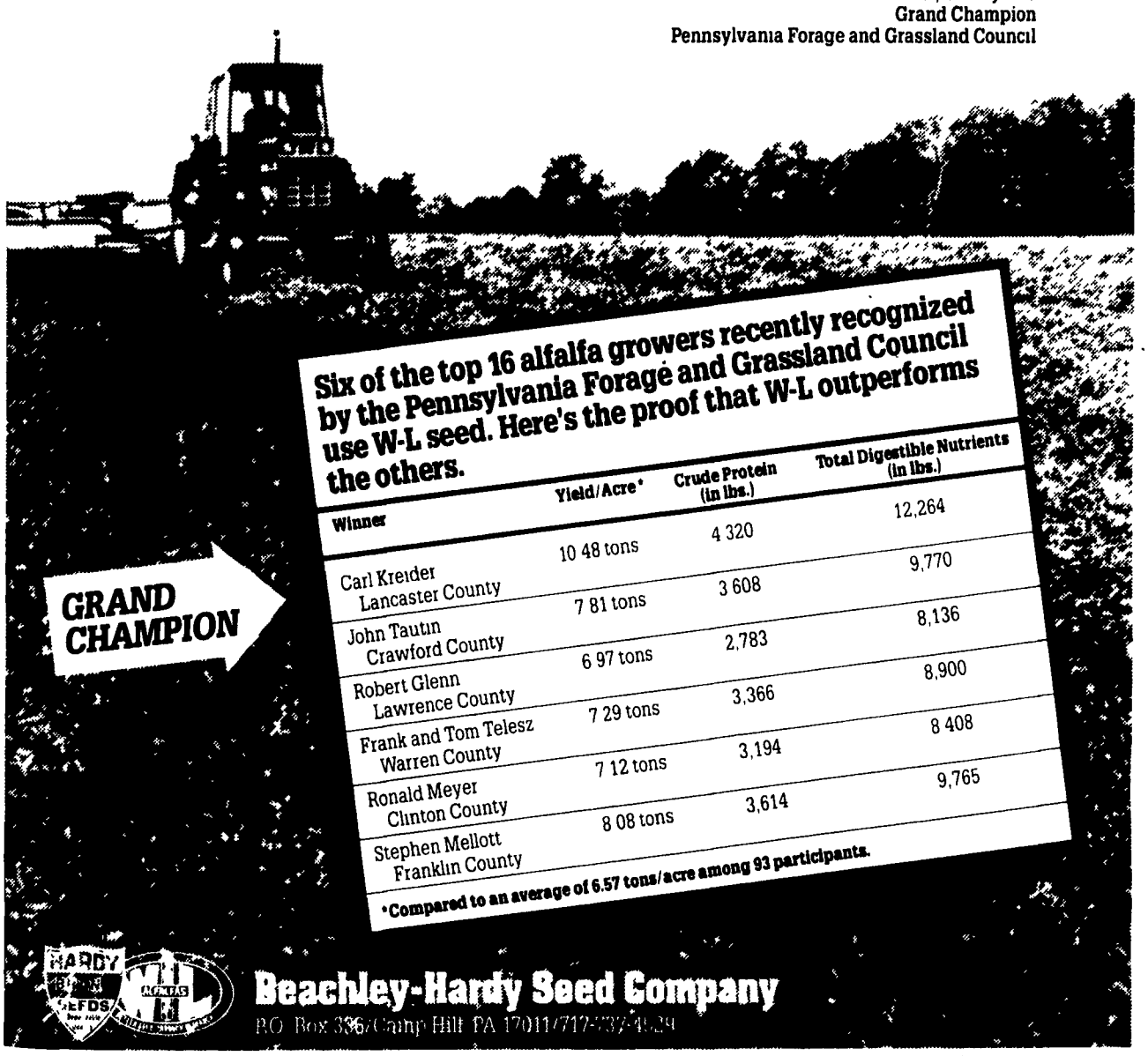

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| Robert Glenn Lawrence County | 6 97 tons | 2,783 | 8,136 |
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| Ronald Meyer Clinton County | 7 12 tons | 3,194 | 8 408 |
| Stephen Mellott Franklin County | 8 08 tons | 3,614 | 9,765 |

*Compared to an average of 6.57 tons/acre among 93 participants.

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# Satellite Station May Help Growers Head Off Problems

BY HELEN KELCHNER
Columbia Co. Correspondent

MIFFLINVILLE – The Carl Shaffer vegetable farm in Mifflinville, Columbia County has been chosen by Penn State as the test sight for an automated remote sensing weather station. It has been put in operation for the 1986 growing season.

This is the first computer system designed and engineered specifically for the agricultural market.

Capabilities of the satellite station are impressive. It senses and records data pertaining to temperature, barometric pressure, wind speed/direction, rain/snowfall, solar radiation, crop growth rate, soil temperature and moisture, pH, salinity of irrigation water, presence of dew and thunderstorms.

The grower making use of this equipment can program it to his individual needs. Fruit growers, for instance, may want to develop frost alert. High irrigation utilizers (like golf courses as well as specialty growers) can accurately predict moisture needs taking the guess work out of a high cost factor. In both cases, the savings can more than justify the the initial outlay for equipment.

Shaffer explains that when the equipment is approved, several farmers in one area may choose to share the satellite data. Each farmer would have his own computer and, if he chooses, a telephone hook-up. The cost of the equipment presently in use on Shaffer's farm is $4419 for the base unit, the satellite and a telephone hook-up. The installation fee runs $650.

Dr. Allen McNab, Penn State plant pathologist, was looking for a suitable sight to test this equipment as part of a demonstration plot for control of white mold on string beans. In the case of Carl Shaffer's operation, both location and presence of the disease provided a choice site.

The Susquehanna River Valley at this location has all the right conditions for white mold on string beans. Moisture hangs heavily over the land until midday, a condition which promotes white mold. An effective spray has been developed, but it is vital to apply it under just the right conditions to save the beans.

Right now, Shaffer has joined a co-op group with other farmers under the Columbia County Crop Improvement Association. They have hired two full-time field scouts. These professionals make frequent and regular inspection of bean fields recording soil moisture, canopy and previous history of mold in that field. Because the spore which causes the mold comes from the ground, these scouts can compile a rating which designates growth development of the spore and thus the appropriate time to apply spray.

Once Penn State's test of the computer system has been fully approved, all the above work could be obtained by the push of a button. It will be quick, accurate and recorded for future reference. Telephone service can provide an audio report of acreage being monitored in a distant field. The system on Shaffer's farm has a 13 mile transmitting range.

Carl is enthusiastic about the system and Penn State is excited with results to date. McNab expects to have a full evaluation of the sensor's accuracy by the end of the year.

Carl Shaffer represents the third-generation operating this vegetable farm. His father, also Carl, turned over the business in 1975. Prior to that, young Carl's grandfather, Frank, had started the business almost a century ago.

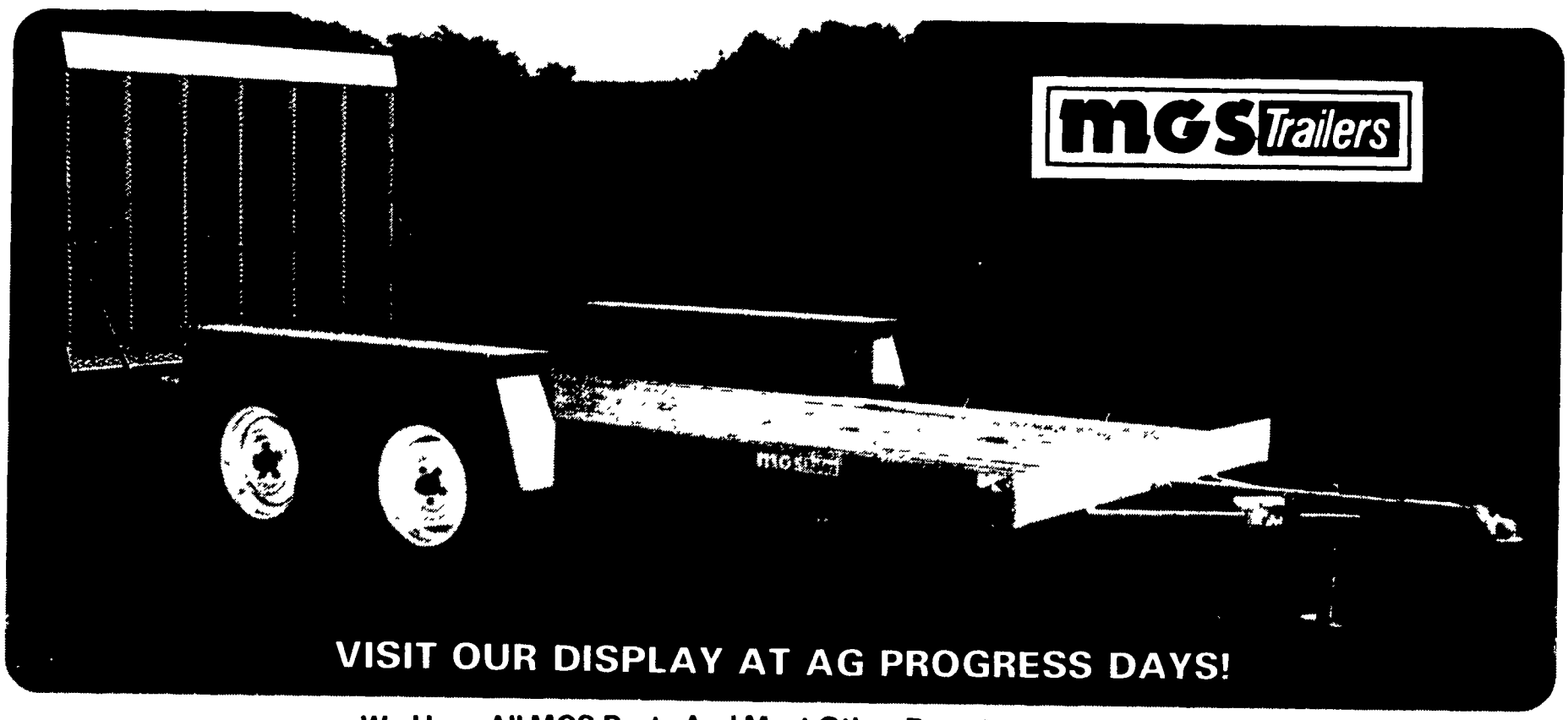
Shaffer owns five farms and rents 500 acres. He has 300 in beans, 300 in field corn and 20 in carrots. His principle crop is snap beans, a harvest that begins July 10, and continues to Sept. 10. Beans require 60 days to mature, so the last planting is going into the ground about the time the first harvest begins.

Besides the white mold, Carl says corn borers are a major problem for his bean crop, a pest that just surfaced about five years ago. He learned about the borer the hard way when he lost $20,000-worth of beans because of the unsuspected pest. A moth lays an egg from which the borer develops. It enters the bean, grows and ruins it. When beans arrive at the processor, one 20-pound test bag is examined for borer. If one borer is found, a second bag is taken. If two are found, the whole truck load is rejected. In the case of mold, a two percent margin is acceptable. It is these destructive dangers which Penn State hopes to provide a "watch dog" for by way of the computer.

Shaffer takes no chances with the borer. He sprays 14 days and again at three days before harvest. In the case of white mold, he has saved the cost of two sprays by relying on gathered data from field inspection rather than his own prediction. At an estimated $17 per acre spraying cost, the saving is substantial. (It should be noted

(Turn to Page E46)

Columbia County vegetable grower, Carl Shaffer, stands beside the remote sensing weather station being tested on his farm.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# Satellite Station

(Continued from Page E44)

that when the test equipment is operating, data is gathered on a 24 hour basis.)

About a third of the Shaffer bean crop goes to Hanover. Loads are taken into the plant by appointment on a 24 hour basis. The remaining two-thirds of the crop is sold to a broker. Twenty acres of carrots will be harvested in mid-October. Shaffer is one of the few growers in this area who continues to grow the crop. The variety is a dicing carrot and can reach five pounds. All but 20 percent of the crop is bought by Hanover. Campbell Soups in Delaware takes the balance.

Shaffer manages his large acreage with only one full-time field hand. He has two full-time truck drivers. The beans are harvested with two Chisholm Ryder bean pickers. Two tractor trailers with 22-ton capacity haul produce to Hanover. The broker provides an additional two semis for their purchases.

The carrot crop is picked with an FMC harvester. An unusual feature about a good carrot crop is the necessity of a good, strong top. The plant enters the machine where pulling pressure is applied by way of the top – while a shovel lifts from the bottom. The top is then sheared off, the carrot lands on a conveyor and is transported up and into an adjoining potato wagon. This harvesting equipment is pulled by a 756 International tractor.

Carl also does contract work. His day begins at dawn and often ends at 10 p.m. He is pleased with the outstanding yields this summer. Even with almost daily showers during most of July and early August, he's been able to get produce off the vine on schedule. There have been some days when soft ground slowed down the work, but the excess moisture produced quality as well as quantity.

**For optimum yields, vegetable crops such as these beans require intensive management. Satellite weather stations capable of monitoring weather, crop and soil conditions may take some of the guesswork out of farming.**


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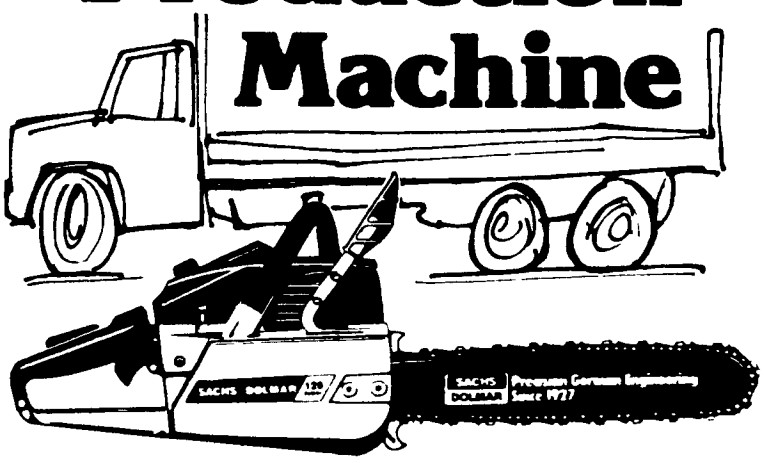

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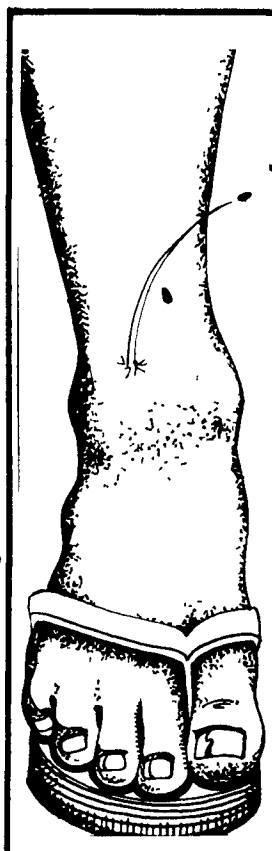

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# Penn State Specialists Speak At Ag Progress Days

UNIVERSITY PARK — Penn State's Ag Progress Days is big, with tens of thousands of visitors mingling with massive equipment exhibits and circus-size tents housing agricultural products and exhibits.

But Ag Progress Days is small, too, in the ways that matter most. Penn State's agricultural specialists and researchers will be on hand during the three-day affair to speak about a variety of subjects as well as answer questions, on a one-to-one basis, from Ag Progress Days visitors.

Drawing on the University's long-standing research base, the specialists will address many consumer and community concerns: Rural drinking water supplies — why problems continue to surface and what to do about them; 4-H — find out why more than 70,000 Pennsylvania youth keep coming back; Home gardening — the latest on low maintenance gardening with groundcovers; Meat — the low-down on the pros and cons of red meat; Acid rain — researchers report on the latest findings about its causes and implications in Pennsylvania, the state with the most acidic rainfall in the nation.

These and many other topics will be covered by speakers in the Wickes Forum Building during Ag Progress Days. The program, called "The Specialists Speak" will feature 20-minute presentations beginning at 10:30 a.m. and running through 3:30 p.m. each of the three days. A detailed schedule will be available during the event.

Visitors who want further information about a specific presentation, or who have questions related to any of the topics, will find the Penn State specialists on duty in the adjacent "Ask the Specialists Tent." Building on its new design from last year, the tent will again feature life-size replicas of agricultural products and machinery designed by Penn State's theatre arts designers.

The "Ask the Experts" tent will be divided into six sections: horticulture and home grounds; production agriculture; forestry, natural resources and wildlife; agricultural economics; family living; and 4-H youth activities. 4-H representatives will exhibit clothing and textile displays, and family living specialists will focus on vegetables for health and fitness. The other groups will offer exhibits and information covering a broad range of ideas and topics.

Ag Progress Days is scheduled from August 19-21 at Penn State's Rock Springs Agricultural Research Center on Route 45, nine miles west of State College. Admission and parking are free. The event runs from 9 a.m. to 5 p.m. each day.

# *Poultry Surveillance Is Still Strong*

Two and a half years after its start, the Pennsylvania Poultry Surveillance system is running at full tilt, thanks to the cooperation of the many processing plants involved in the program.

As of July 1, a total of 105 egg processing plants and 22 hatcheries representing over 800 producers were involved in the testing program. Six meat processing plants and five custom slaughter plants representing another estimated 200 producers are also involved.

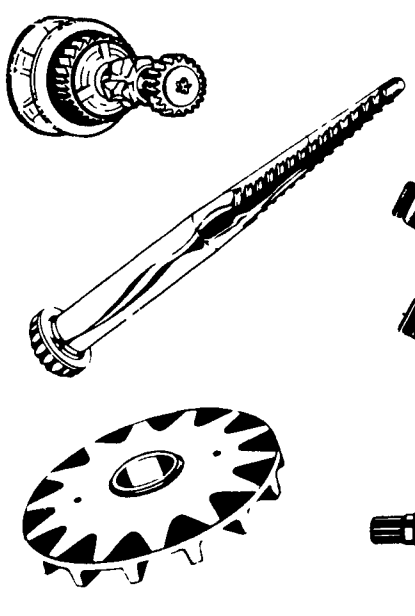
A typical month involves the testing of approximately 13,500 samples, including some 7,000 eggs, 5,000 blood samples and 1,500 "others."

Shirley Pflieger program coordinator says that "almost every large producer" is being checked for AI and other poultry diseases and that samples are being taken by state inspectors during routine monthly inspections at egg packing plants. Birds at slaughter plants are bled by plant personnel and samples are submitted to state laboratories for testing.

While it is hopeful that no new positive samples will be found, it is good to know that any new outbreaks will be found before they get a chance to spread to a large portion of the poultry population.

In fact, the surveillance system is credited for the early detection of AI last winter. That early detection enabled officials from the state and federal government to keep the disease confined to a three county area away from the large concentration of commercial poultry in Southeastern Pennsylvania.

Pennsylvania is still the only state in the country with a statewide surveillance system for poultry. USDA-APHIS has urged other large poultry states to follow Pennsylvania's example.
(Poultry Post)

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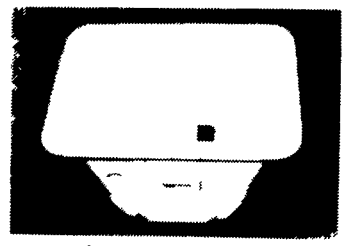

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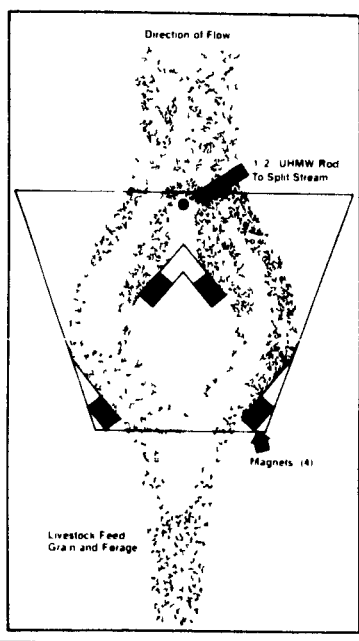


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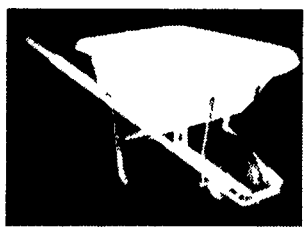

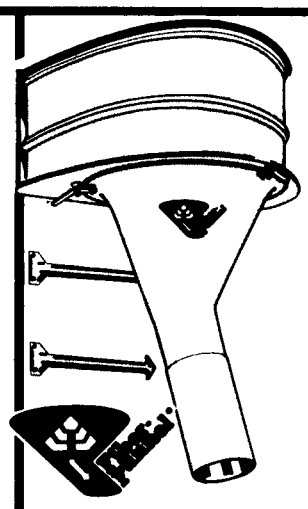

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# PROTEK The New Technology Of Rumen Efficiency. It's Working!

## Marv and Betty Sauder, RD #2, Ephrata

We started on Protek in December of 1984. Before switching to Master Mix feeds, we fed a soybean and mineral mix to our cows for over 10 years. Our rolling herd average consistantly ran in the middle 15,000's, with our highest average going to 16,250. Mike Sensenig sets up our feed program and wanted us to go on Protek, so we did. We are glad we did. Our cows are peaking much higher and holding very good. Our program calls for 35 corn silage, 13 lbs. hay, a cob chop mix equal to a 13% Protek, and topdressing Protek 1890 (Hi Energy) pellets to cows over 60 pounds of milk.

After being on Protek for one year, our R.H.A. increased over 1800 pounds, and 50 pounds fat. It's up 2000 pounds now, and our second year on Protek, cows are still producing better than the first year. Our March DHIA average per cow was 70.3 pounds per day. We never hit 70 before. We hope to go as high as 19,000 as this year goes on. We are off to a good start. We have a number of cows that have increased 3,000 to 4,000 pounds in one year.

Our herd health is also very good. The calving interval is down to 12.3 and the cows just seem to be very healthy, along with peaking high and milking very good.

As far as we are concerned Protek works, and we are both sold on it.

AUG 29 1986

## R. Earl Sauder, Goodville, PA

I'm always interested in trying to advance my milking herd for better profits, and I'm really pleased with how we're doing with Protek. My salesman tested my forages and my feed dropped from a 16% flaked dairy to a 12% flaked dairy with Protek. The flaked dairy is made by Sensenig's Mill using flaked corn, oats, Protek, and molasses. I raised some soybeans this year and am topdressing them to cows milking over 60 lbs., our herd production went up and we were able to save considerably on our feed cost. During the winter months, we are consistantly averaging 60 lbs. of milk per head per day. Our butter fat has also been around 3.9.

My feeding program consists of 36 lbs. corn silage, 12 lbs. alf hay, Sensenig's flaked dairy with Protek, and topdressing roasted beans. When the beans are all, I topdress the Protek Concentrate.

I would also say Protek made a difference in the cows being able to breed back. In fact, the cows have just been responding better in every avenue!

## Amos S. Lapp, Oregon Pike, Leola

I'm feeding Protek, and I like it. It seems to make more milk and my feed cost is down. As far as my production goes, I was never as high as I am at this point. I started feeding Master Mix feeds from Sensenig's Mill in August of 1984, and my herd average was 15,572. In December of 1984 my salesman convinced me to go on Protek. A short time after I started, I saw an improvement. I had one cow that milked 100 pounds for five months straight. I'd never had that before. That's nice.

My feeding program consists of 35 corn silage, 12 hay, a complete 13% flaked dairy made by Sensenig's, and topdressing the Protek 1890 (Hi Energy) pellets to cows over 60 lbs. The cows really hold production with those 1890 pellets. I found most of my cows are 10-15 lbs. higher, and they hold production longer than they used to. I used to have cows go up to 100 lbs. then drop back to 90 or 80. Now they go to 100, and they'll hold. I've had them as high as 110 or better and holding there for a couple months. As of December 1985, after 1 year on Protek, my R.H.A. is up to 17,271, and my average per cow in March was up to 68.9 lbs. per day. So, I would have to say I'm very pleased since being on the Protek Feed Program.


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# Lebanon Fair Livestock Sale Garners $40,000

State Representative Nick Moehlmann (center) was on hand to congratulate Lebanon Fair's champion steer exhibitor Kathy Bomgardner and top bidder Jim Kilmer of Dutchway. (Photos by Ken Winebark)

Daryl Grumbine (no hat) sold his top indexing lamb carcass to a quartet of Lebanon Valley National Bank buyers that included (left) Shawn McKinney, Mike Firestine, Bob Donaldson and Larry Groff.

LEBANON — A record-setting market hog bid and an all-new carcass lamb and hog show and sale were among the highlights of this year's Lebanon Fair.

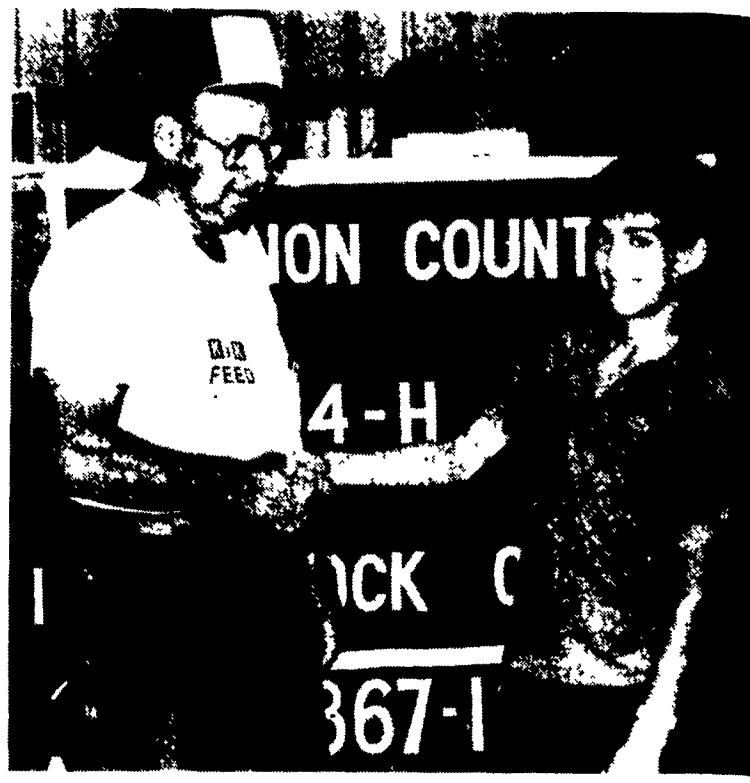
At the fair's livestock sale on August 1, Hatfield Packing Company's Jerry Clemens made Lebanon Fair history by offering a record $7.75 for Shelby Heagy's grand champion hog. The total tab for the top porker came to $1,860. Daryl Grumbine's reserve champion went to Peoples National Bank for $3.75.

The sale's second highest selling animal was Kathy Bomgardner's grand champion steer that went to Dutchway of Myerstown for $1,182.50, or $1.10 per pound. Not far behind was Lebanon Valley National Bank, with a bid of 95 cents for the reserve champion shown by Leigh Hitz.

Peoples National Bank went home with Melanie Bow's grand champion market lamb after topping the bidding at $3.90 per pound. Heather Emrich's reserve champion went to Willie the Butcher for $1.55.

The sale's 93 hogs were the big breadwinners, chalking up total receipts of $27,148, for a per-pound average of $1.32. The event's 10 steers averaged 79 cents per pound for a sale total of $8,120, and 29 market lambs sold for $1.29 per pound for a total of $3,759.

This was the kickoff year for the fair's carcass lamb and hog show. "We put all the pieces together to make it more of a realistic approach to producing livestock," said Lebanon extension livestock agent, Ken Winebark. Carcasses received an index score based on yield grade, average daily gain and structure.




Clarence Kreider (left) of K&K Feeds, Richland, bought Eric Hoover's champion hog carcass.

Of the 21 entries in the hog competition, Eric Hoover's came out on top. Hoover's pig gained 2.61 pounds per day. The carcass was 31.4 inches long, registered a 5.6-inch loineye area and had a backfat thickness of 1.1 inches. The carcass went to K&K Feeds of Richland for $2.35 per pound.

Daryl Grumbine's champion carcass lamb gained .65 pounds per day, had a carcass yield of 45.8 percent, a loineye area of 2.2 square inches and .12 inches of backfat. The carcass sold to Lebanon Valley National Bank for $2.70 per pound. All proceeds from the carcass sale were donated to the Lebanon Fairgrounds.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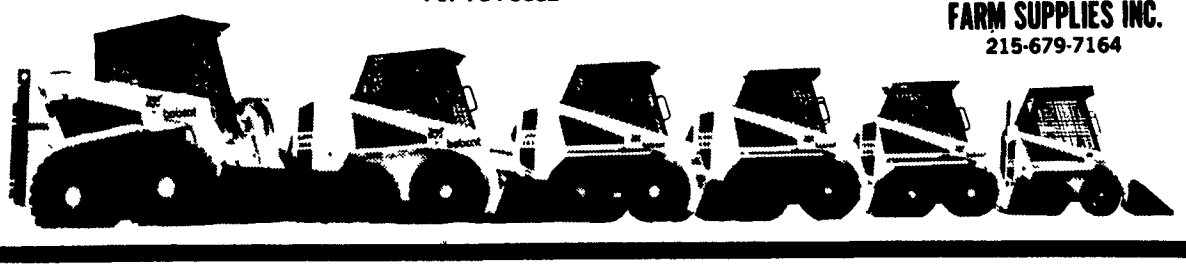

# Linear-Mate Aids Sire Selection

**Reprinted by permission ABC Transmitter, June-July 1986**

Since Atlantic's Linear-Mate program was announced to members nearly four years ago, thousands of cows have been evaluated in detail and sires recommended by Linear-Mate Specialists. Progeny resulting from the earliest matings are now milking in members' herds who were among the first users of this new program. Recent farm visits with a few of them in south-central Pennsylvania reveal how Linear-Mate is working to develop breeding problems for herd improvement.

**Dale Fischer**

"Some people have to cull 50% of their young cows, but we hardly cull any. We're proud of our young cows," says Dale Fischer of Fulton County, who farms with his son, Tom. Their DHIA rolling herd average for May was 19,548M and 713F on 88 Holsteins, and the heifers are contributing their share toward this high level.

With this low culling rate, Fischer comments further "We've sold Atlantic-sired heifers and often they're among the highest producing cows in the new herd as two-year-olds. That tells us how our Linear-Mate is working!"

This herd followed sire recommendations from Linear-Mate's predessor — the Mate-Rite program — for many years and the Fischers are building on several top producers that they have bred and developed. Topping the list is a Marvex that tested up to 145 lbs. of milk per day. A Mariner has made 120M/d, and they are very happy with the stature and good udder on her VG-85 Oak Star daughter.

Franklin County member Dennis Bricker and his family with a typey, good producing daughter of Mandate.

Atlantic member Clifford Hawbaker discusses his herd breeding program with Area 2 Supervisor John Stevenson and Linear-Mate Specialist John Frey.

Fischer's breeding goals are to hold up the milk level while improving fat test. Generally, he wants to improve the conformation traits of udders, rumps, and upstandingness. Sires currently recommended most on his Linear-Mate printout are Basic, Steady, Bachelor, Mil-Nor, and Hilton.

"We prefer Linear-Mate because of the genetic improvement and consistency we see," Dale says. He also likes the features in Atlantic's program that lets him add new cows after freshening, or apply new proven sires to previously-evaluated cows.

"It helps to have another person look at your cows," this member says. "When I see them every day, I don't notice the bad legs, narrow front ends, and other weaknesses. It's a big 'plus' to have someone come in who only sees my cows once or twice a year. A Linear-Mate Specialist is 100% objective."

Atlantic's 28-year veteran Technician in Fulton County, Dale Souders, says "Dale (Fischer) knows which bull he wants to use for each cow, so I follow his requests when I get to his farm." Souders also likes to check the "Dairyman Workability" analysis in the sire directory. He sees it as another aid to improving herd uniformity.

Has Fischer ever wanted to AI his own cows? "We've got too much other work to do, so we prefer to call a Technician," he answers. How about other AI bulls? "We've always gotten good results with Atlantic, so why should I switch?" he reasons.

**Dennis Bricker**

On a very well-kept farm tucked back off the main roads west of Chambersburg in Franklin

(Turn to Page F5)

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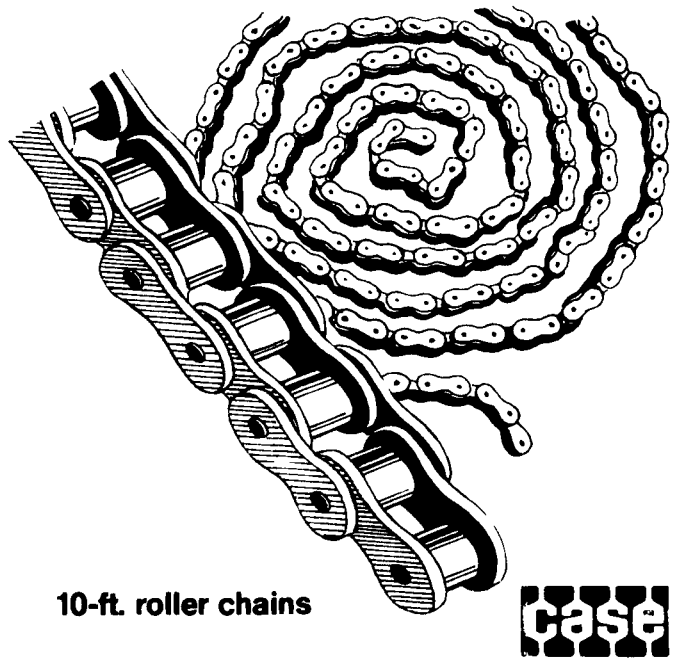

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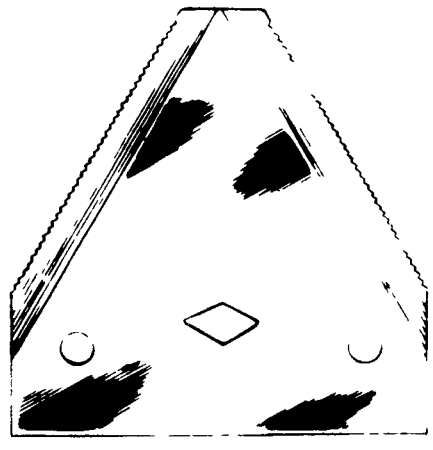

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# Sire Selection

(Continued from Page F4)

County, Dennis Bricker works quietly with his young family and their herd of about 40 Holstein cows. In this setting, good temperment and cows that are easy to work with are important. Dennis watches for these traits himself.

When it comes to improving conformation of his cows, this member appreciates skilled professional help. "I went to Linear-Mate because I was shooting in the dark," he explains. "Atlantic now offers many more bulls and they know what they'll do."

So far, he sees improved udders and steady increases in production. The DHIA average is up to 19,100M and is quite uniform throughout the herd, with only five cows currently projected over 20,000M.

Future herd goals are higher test with more milk, and stress on good legs and feet and udders. Bricker and his Atlantic Unit 32 Technician, Walter Mills, rely heavily on the convenient computer printout of Linear-Mate recommendations. The latest list for his herd suggests Starwar, Forcaster,. Stewart, Bachelor, Troy, Steady, and Lannie most often.

Dennis has not set a price range for his genetics. "A couple dollars more to pick the right sire is worthwhile," he says. He has faith in Atlantic's sire-proving program that produces bulls with high repeatability, and is working to take full advantage of the strong genetics available. He follows the six-month updating program for his dry cows and heifers, and says its important to have the latest sire summary lineup in his sire recommendations.

**Clifford Hawbaker**

"Linear-Mate is as important to breeding better cattle as breeding itself," states Clifford Hawbaker, Franklin County dairyman with 170 Holsteins in loose housing. He's used Linear-Mate for three years and his heifers now calving resulted from following the first recommendations in his herd. He is very pleased to see better production by these young cattle, with fewer culls.

"When you're a direct-herd breeder like I am, the bull selection is up to you," he explains. "It's hard to keep up with all the sire information and know how to use the bulls. It gives me satisfaction to have another objective opinion on my cows."

Cliff says that before his herd was Linear-Mated, his breeding program was guesswork on what bulls to buy and how to use them. Now he follows the recommendations closely, buying semen and using it accordingly.

Hawbaker's Hamilton Heights herd is averaging 19,613M and 655F, with his two largest groups of cows on three-times-daily milking. He says the herd is 50% Atlantic-sired and growing.

A few years ago when he wanted help with his breeding program, Cliff looked for an outside source of information. He likes the "cooperative concept" of doing business, and prefers Atlantic for its closeness and quality facilities and personnel. He also likes how the organization backs up its sire recommendations.

Hawbaker says the Federated Genetics program offered through Atlantic has greatly increased his genetic potential without increasing semen prices. But it's still most important to breed each cow to the right bull. "Linear-Mate is the best management tool from the breeding concept of the herd," he affirms.

# *Fund Enriches PSU College*

YORK, Pa. – The Gerald and Leoda Gummo Excellence Fund in Agriculture has been established at Penn State to enrich the College of Agriculture, the University's Board of Trustees was told recently in a meeting at the University's York Campus.

The initial principal of more than $30,000 has been established with a gift from Gerald and Leoda Gummo of Mill Hall. Gerald Gummo is a 1932 Penn State graduate.

Additional contributions may be made by interested persons and organizations.

Income generated by the endowment may be used for any educational purpose as determined by Dr. Lamartine F. Hood, dean of the College of Agriculture. These will include scholarships, research and travel expenses, and equipment purchases.

Scholarship recipients will be selected by the College of Agriculture Scholarship Committee. Consideration will be given to full-time undergraduate and graduate students enrolled or planning to enroll in the college. Candidates must possess superior academic records and must prove financial need.

Scholarships will be awarded for one year and may be renewed if the recipient continues to be eligible.


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# Purdue Univ. Examines Farm Safety

**The Older Farmer and Accidents**

Each year over three hundred people age 60 and over are killed in the United States as the result of farm-related accidents. The numbers killed are unique to agriculture; agriculture is the only major industry where large numbers of people age 60 and over remain active.

A study of accidents involving farmers over the age of sixty has been conducted by Purdue University. The following are some of their conclusions:

- A significant percentage of fatal farm accidents occur to older persons living on farms, operating tractors or other farm machinery. Thus, these people run a significant risk of having a fatal farm accident.
- Tractor accidents accounted for the majority of the deaths, with other machinery accidents second.
- Most deaths occur at the middle and end of the week.
- The greatest number of accidents occur right before lunch and right before dinner when a person is most in need of a break.
- Frequency of accidents is highest in those months when seasonal labor demands are highest.
- Fatal accidents generally result in instant or quick death; medical attention must be prompt if it is to be effective.

**Their recommendations were:**

- Accident prevention programs aimed at the older person should focus on tractor driving and machinery safety.
- Accident prevention programs should also focus on the effects of aging. Emphasis should be placed on the fact that reactions and response times are slower, and balance is impaired, whether a person realizes it or not.
- Because many persons age 60 and over do not farm alone, but with a younger family member, programs should be developed for younger family members to make them aware of the problem and to help them reach the older person.
- Older persons need to be especially diligent during planting and harvesting when they may be called upon for temporary help.
- Older persons should be especially careful about exceeding their capacities, due to fatigue and/or mental or physical overload, for example.

(From NIFS Paper 86-6, Farm Related Fatalities Involving Persons 60 Years of Age and Older, Purschwitz and Field, Purdue University).

**Unguarded PTO's Continue to Claim Lives!**

In 1976 OSHA adopted a Machine Guarding Standard. Most of that standard applied to new machinery by requiring manufacturers to supply certain guards. However, one aspect of the standard required guards despite of the age of the equipment. Unguarded power-take-off shafts (PTO) were deemed dangerous enough to warrant requiring remanufacturing of shields to fit old equipment.

Ten years later we are still suffering losses due to unguarded PTO's.

**Case Histories**

**Case 1**

A 10-year-old boy died instantly as a result of massive mutilation as he attempted to jump from a fence line feed bunk to the drawbar of a moving tractor and feed wagon being operated by his father. The father reported that he had never known of any shielding being in place on the implement input driveline, but that there was a master shield in place on the tractor being used at the time.

**Case 2**

In the early fall, the wife of a part-time farmer was killed as she tried to help her son operate a post hole digger. She died from a crushed chest and internal injuries which resulted when her nylon jacket became entangled as she was attempting to apply downward force on the frame of the digger. The son had just performed this action and was going around the tractor to increase the speed when he noticed his mother pushing down on the frame and told her to stop. At this time the front of her coat wrapped around the bare implement input driveline shaft. Though the tractor was running at idle speed, and the son was able to shut the engine off almost immediately, the jacket had wrapped tightly enough to kill the woman. There was no shielding supplied with the implement input driveline when purchased new by the husband and none had ever been installed. The master shield on the rear of the tractor was also missing at the time of the accident.

This year's Farm Safety Week is September 21-27. The theme is "Be Protected from the Unexpected." Between now and September make guarding PTO's and putting roll-over protective structures (ROPS) on all your equipment a number one priority.

(Case studies from NIFS Paper 86-2, Summary of On-Farm PTO-Related Fatalities, Campbell and Field, Purdue University)


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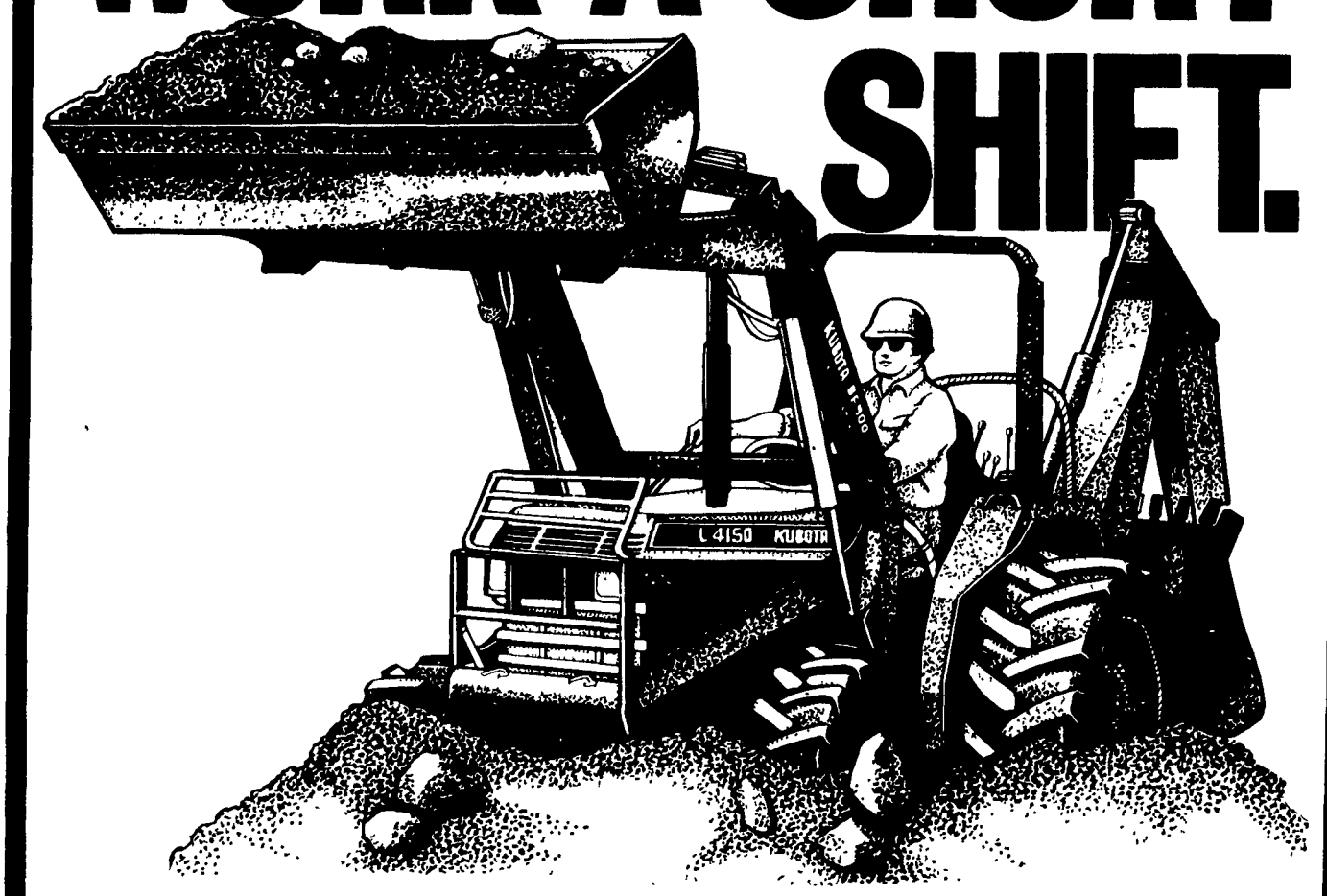


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# Poultry Producers May Face Overproduction

Directors of the Southeastern Poultry & Egg Association predict that broiler and turkey producers may be heading for serious economic problems by the end of this year and the first half of 1987, according to an article in a recent edition of *Feedstuff's* magazine. The reason for the gloomy prediction is overproduction.

According to the article, five major factors point out the coming hard times.

First, the number of broiler breeders being placed or planned has jumped up 2-10 percent over last year. Alabama alone has reported a hike of two million placements this year.

Secondly, industry expansions are being seen in every area. A large number of processing plants are operating double shifts. Average increased production is running 3.5 percent in volume.

Thirdly, the demand for housing space for breeders is very strong. Every house capable of growing and maintaining breeders is being used.

The demand for boneless breast is cited as the prime reason for the booming broiler business, which has prices reaching peaks at more than 58 cents per pound at docks in Georgia. Costs are being estimated by analysts at more than 40 cents, allowing a good margin of profitability.

Lower feed costs are also contributing to increased product volume. According to one commodities expert, the industry can continue to expect low feed prices in the coming months.

One of the major problems facing the broiler industry is what to do with mounting supplies of dark meat now in storage Some in the industry recommend more research on developing new uses for drumsticks, necks and backs.

Turkey producers have been sharply increasing poult placements. Output of turkey meat from federally inspected plants during the first quarter was 14 percent more than it was a year ago.

(Poultry Post)

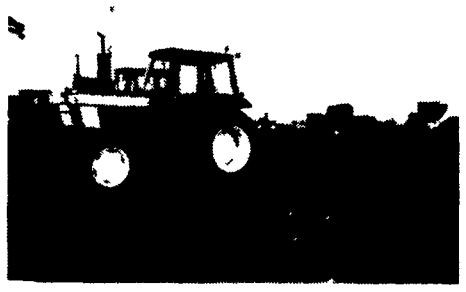
# Water Softening Facts Offered At Ag Progress

UNIVERSITY PARK – Hard water is a problem for many well water supplies in Pennsylvania. Calcium and magnesium, which are dissolved in the water, form scale in pots, hot water pipes, and water heaters.

"These minerals also interfere with the cleaning action of soaps and detergents, forming films on skin, clothing, and fixtures," says Nancy Frazier Wagner, extension regional program leader in home economics at Penn State's Altoona Campus. She is coordinator of an exhibit on "Water Quality in the Home" in the college of Agriculture Building at Ag Progress Days, August 19-21.

At the exhibit, extension home economists will answer your questions about water softeners, including how water hardness is measured, and offer tips on how to maintain your water softener system, and the health effects of softened water. Free fact sheets on water quality issues have been prepared by water specialists in Penn State's Department of Agricultural Engineering.


# MID-SUMMER INVENTORY REDUCTION SALE



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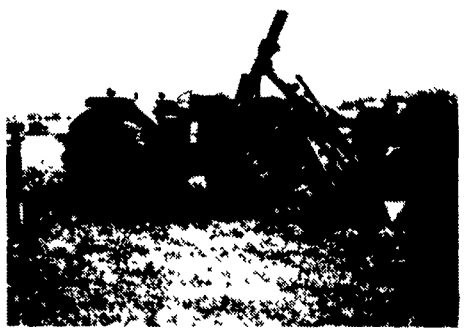

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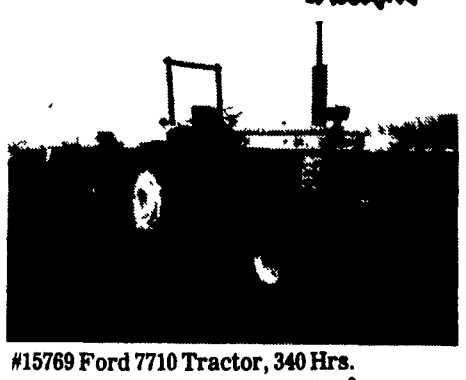

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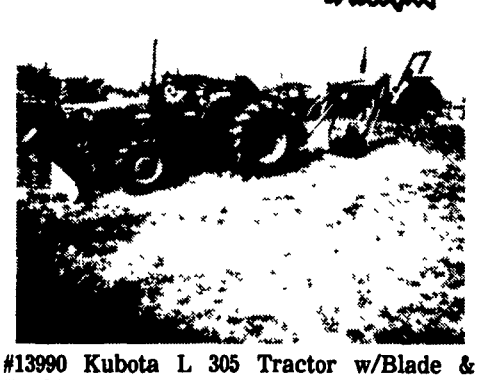

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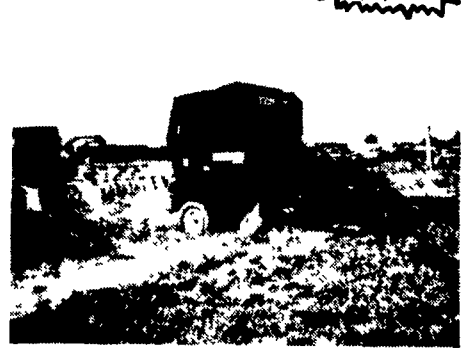

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# PA Poultry Surveillance Continues

Two and a half years after its start, the Pennsylvania Poultry Surveillance system is running at full tilt, thanks to the cooperation of the many processing plants involved in the program.

As of July 1, a total of 105 egg processing plants and 22 hatcheries, representing over 800 producers, were involved in the testing program. Six meat processing plants and five custom slaughter plants, representing another estimated 200 producers, are also involved.

A typical month involves the testing of approximately 13,500 samples, including some 7,000 eggs, 5,000 blood samples and 1,500 "others."

Shirley Pflieger, program coordinator, says that "almost every large producer" is being checked for AI and other poultry diseases and that samples are being taken by state inspectors during routine monthly inspections at egg packing plants. Birds at slaughter plants are bled by plant personnel, and samples are submitted to state laboratories for testing.

While it is hopeful that no new positive samples will be found, it is good to know that any new outbreaks will be found before they get a chance to spread to a large portion of the poultry population. In fact, the surveillance system is credited for the early detection of AI last winter. That early detection enabled officials from the state and federal government to keep the disease confined to a three county area away from the large concentration of commercial poultry in Southeastern Pennsylvania.

Pennsylvania is still the only state in the country with a statewide surveillance system for poultry. USDA-APHIS has urged other large poultry states to follow Pennsylvania's example.

## PPAB Receives Swine Award

Ron Butt, (left) manager of PPAB, a feeder pig co-op located at the University of Pennsylvania's New Bolton Center, receives a plaque and congratulations from Pig Improvement Company's national sales manager, Jack Dill. PIC's award recognized PPAB's outstanding weaning rate of 22 pigs per sow for 1985.


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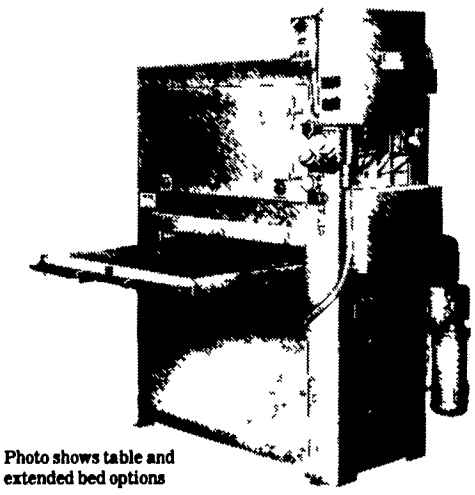

Photo shows table and extended bed options

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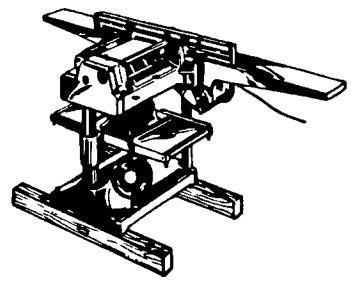

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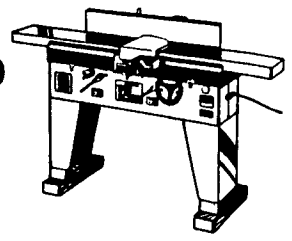

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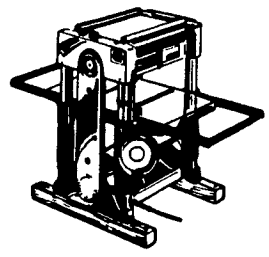

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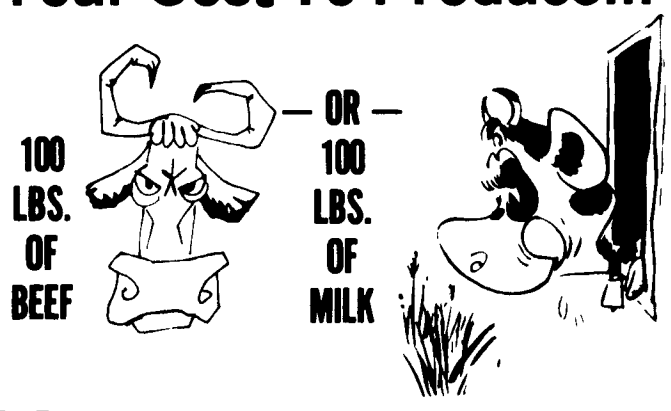


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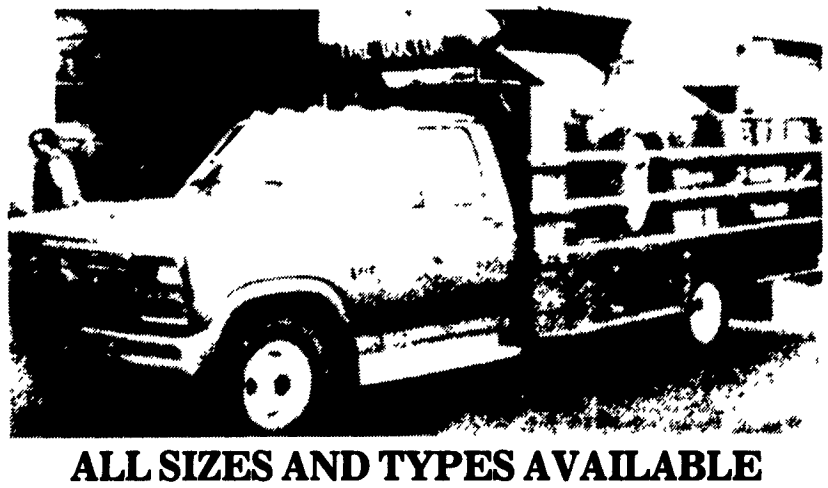

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## Time To Control Flies

NEWARK, Del. – Flies in and around livestock barns can cause farmers trouble says Mark Graustein, University of Delaware extension entomologist. "Biting species especially can stress animals and annoy neighbors, so it's best to control fly populations when you notice an increase, not when the problem is out of hand," he says.

The entomologist recommends an integrated approach to barn fly control through use of good sanitation practices, proper and timely manure handling procedures and carefully scheduled insecticide applications based on need.

The first step is to prevent fly breeding through good sanitation. In confinement pens that means cleaning out the pack of manure and bedding under livestock at least once a week. On free stall farms, remove manure daily and provide good drainage to prevent fly breeding. In stanchion barns, clean out drops at least once a day. Also remove wet feed from managers and clear green chop, forage and feed accumulations from around silos at least once a week.

Proper manure handling is an essential part of pest management. Grausteain says, "If at all possible, manure and othe fly breeding materials should be immediately spread on fields as thinly as possible to kill developing fly eggs and maggots."

Insecticide applications is also important. Residual sprays applied to fly resting areas on walls, ceilings and posts are presently the most cost effective chemical method of fly control. Cattle sprays and space sprays can also be used in confinement areas, but Graustein says these provide only temporary control, so these materials are the least cost effective.

Fly larvicides and fly baits can also be used in conjunction with other control methods, but the entomologist does not recommend extensive larvicide use because these products may harm natural fly enemies such as wasps, mites and beetles.

"Use insecticides only when fly populations are at problem levels," Graustein stresses. "Routine applications may cause flies to develop resistance that would render insecticides ineffective."

# DHIA Computerization On The Horizon

BY MARGIE FUSCO
Cambria County Correspondent

UNIVERSITY PARK — ARIS is here. The Agricultural Records Information Service, created by the Dairy Herd Improvement Association, can put herd information at the dairy farmer's fingertips.

ARIS is a computer program designed to operate on an IBM or IBM-compatible, MS/DOS, computer system. In addition to needing a computer, a herdsman must have a modem in order to use ARIS. A modem is electronic equipment that creates a telephone connection between the farmer's computer and the mainframe computer in State College.

"Most farmers will be able to linkup through local phone numbers," says Jay Wilson of DHIA. "We may eventually get a toll-free number if there is enough use of the service."

Using ARIS, a dairyman can get information on his herd within hours of when the DHIA supervisor records it. "There's no more waiting for mail service," Wilson says. Moreso, the farmer can review, compare and analyze his herd by using a list of several hundred topics.

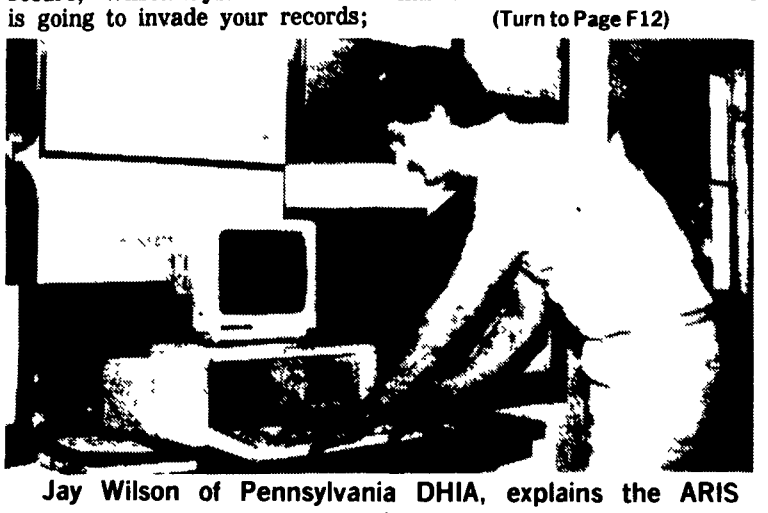
The herdsman can see which cows are pregnant, which cows are not breeding efficiently, which sires breed the most calves, what milk production to expect in the coming months, and much more. Getting the information is a simple as turning on the computer and pressing a few keys, according to Wilson. The information the farmer needs is stored in the mainframe, and is available at the farmer's request at any time.

Wilson notes that computerized information can help farmers see their results rapidly and know at a glance where to make improvements to increase their profitability. He adds that computer systems have now become affordable enough to be within the reach of most farm budgets, and that ARIS is a tool every farmer can use easily. To introduce farmers to the ARIS program, Wilson has written a manual that includes easy-to-read language, color coding to help explain the keyboard, and lessons that train the herdsman how to get the most out of the ARIS program and his computer.

Each farmer's statistics are protected by a built-in security system. Each farm on the ARIS system is assigned an individual password; without that password, the farm's data cannot be issued by the computer. "The system is secure," Wilson says. "No one else is going to invade your records; it's your private information."

Not every detail of the system has been finalized. Wilson notes

(Turn to Page F12)



Jay Wilson of Pennsylvania DHIA, explains the ARIS computer program at a recent demonstration.

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Horses in their natural state, untrained or wild, move at a walk, trot, or canter, according to the speed they wish to go. If pushed, they break into a gallop.

You train horses by teaching them to walk, trot, canter, and go backward, at your will. From these primary gaits, you then teach horses for riding as racers, hunters, jumpers, parade ponies or cow horses, depending on your goals.

To learn the training and care of horses for riding, study the Penn State correspondence course. Anyone can enroll by sending $9.75, including handling, to Light Horses, Dept. 5000, University Park, PA 16802. Make checks or money orders payable to Penn State.

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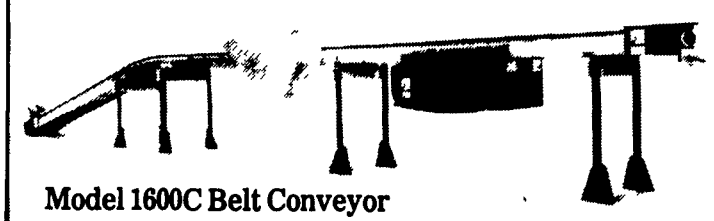
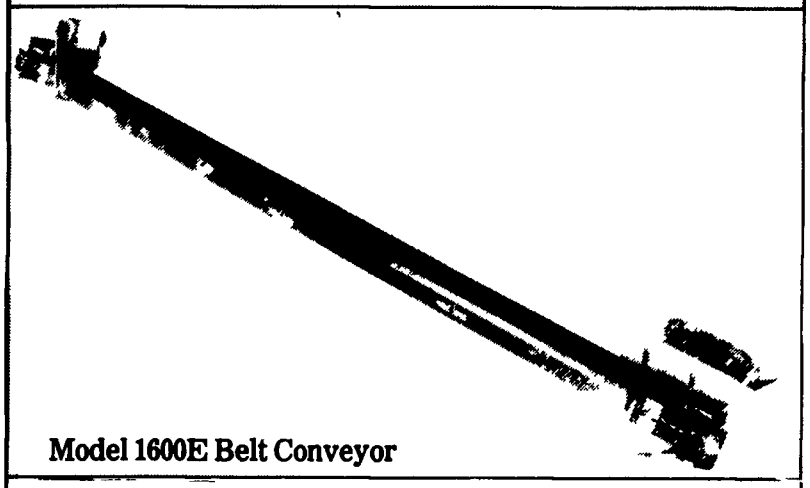
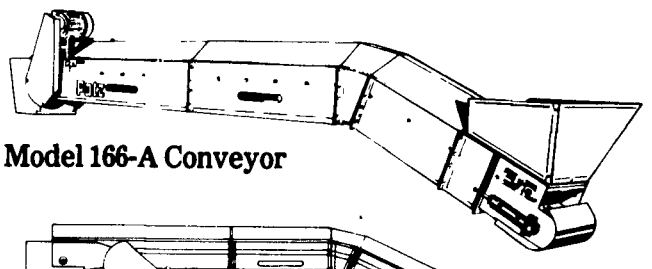


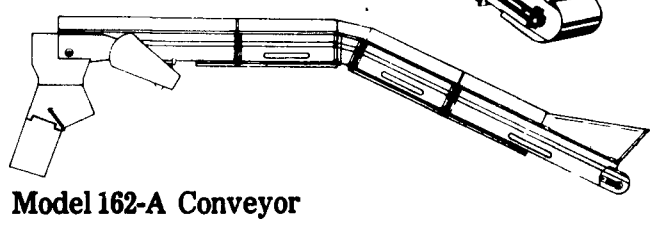
Model 1600C Belt Conveyor



Model 1600E Belt Conveyor

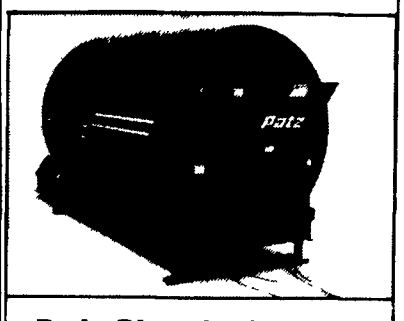


Model 166-A Conveyor



Model 162-A Conveyor

Belt Feeder



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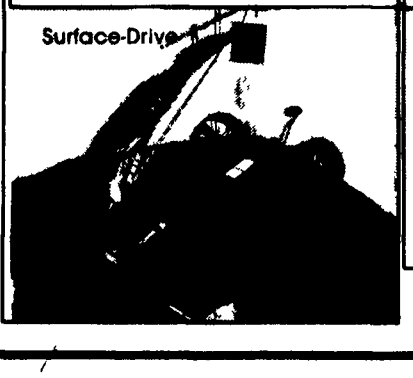
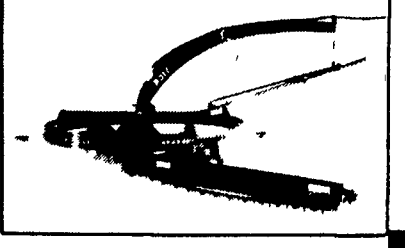


Surface-Drive



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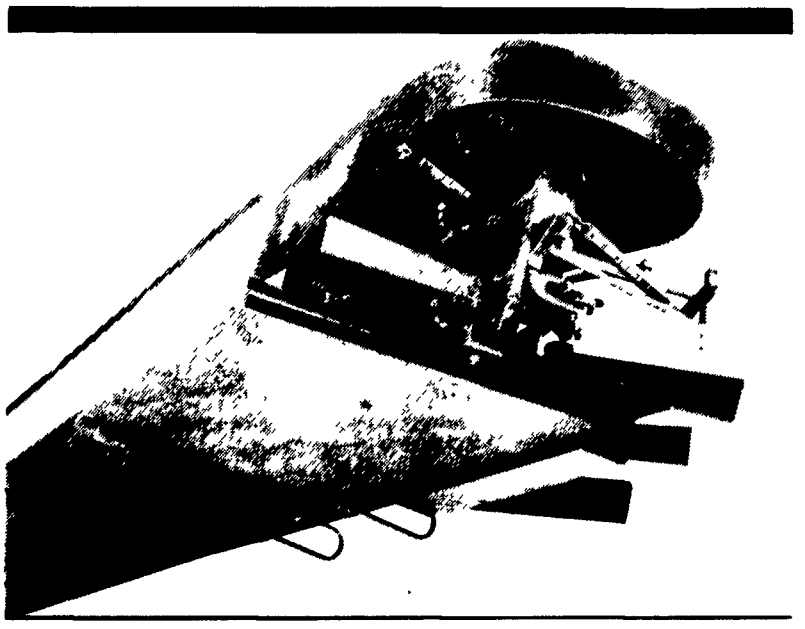
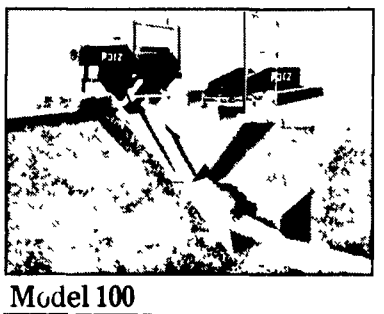
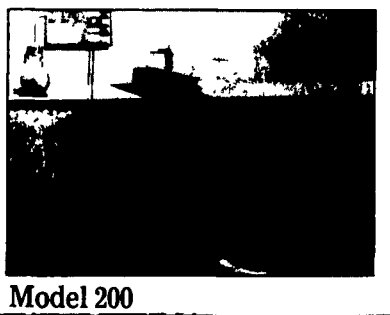


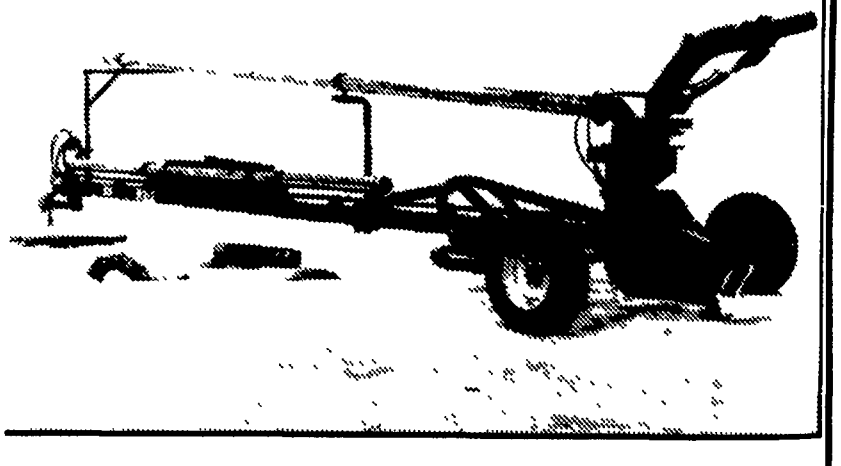


Model 100



Model 200

Patz Model 477 Lagoon Pump



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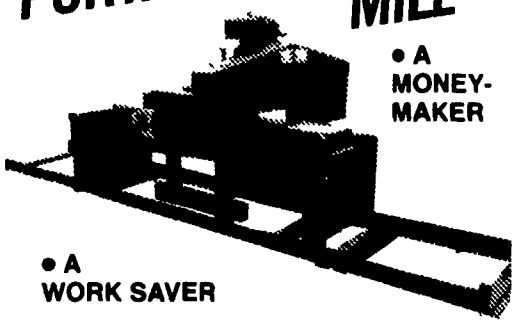

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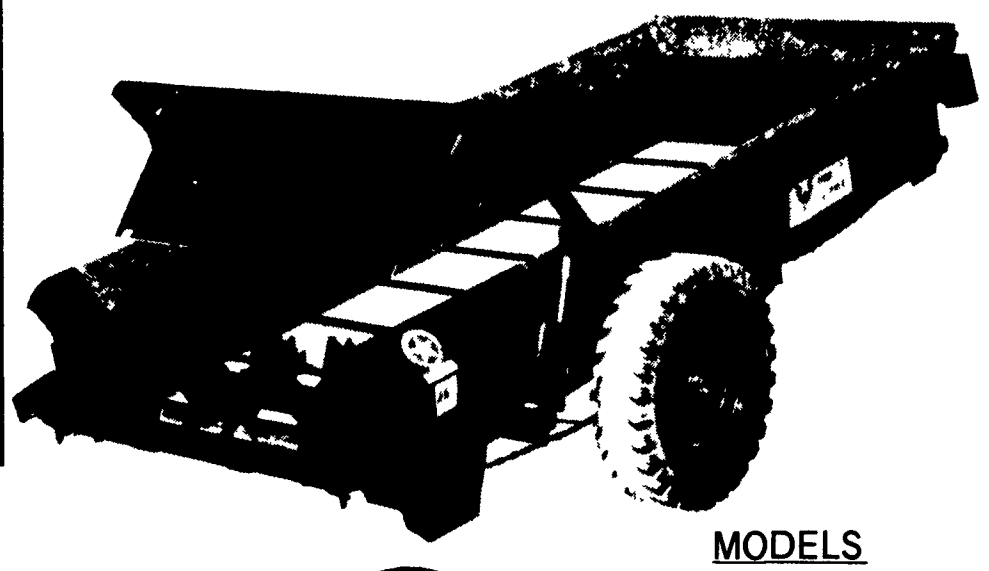

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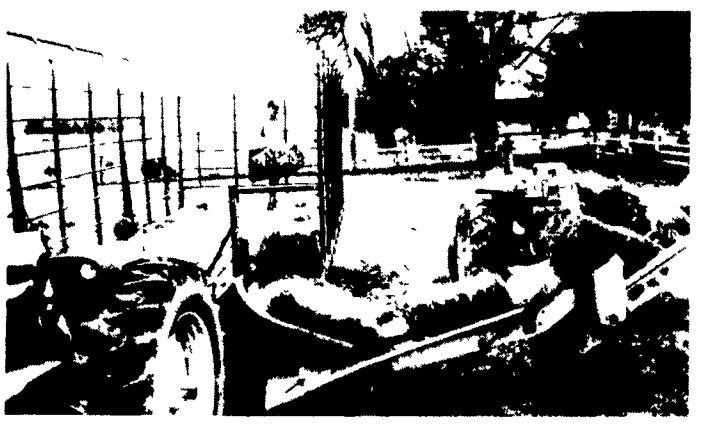

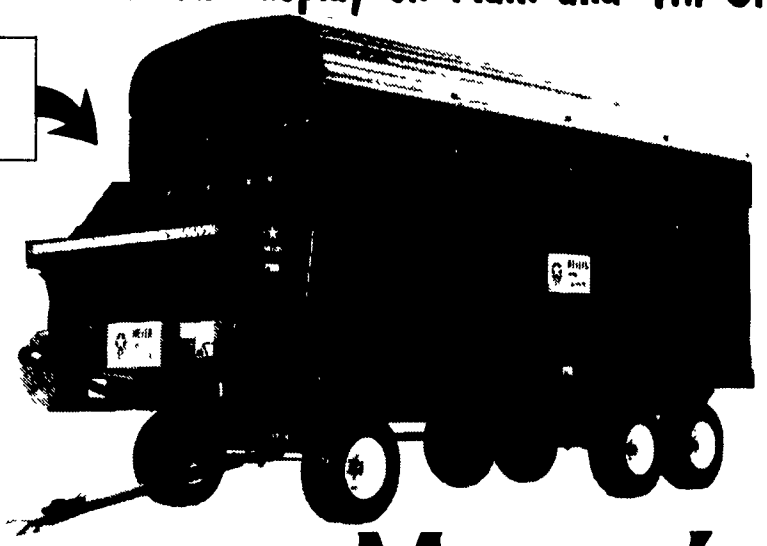

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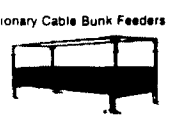
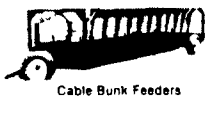


Stationary Cable Bunk Feeders



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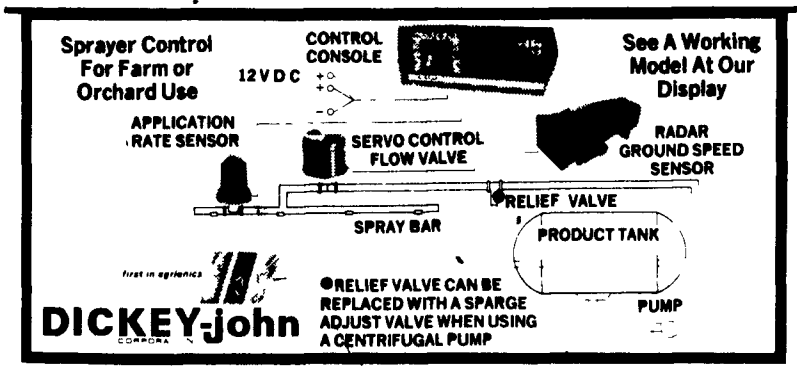


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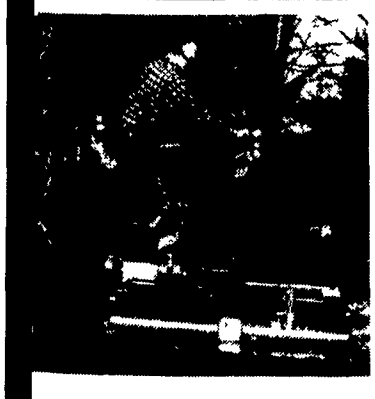

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# Computer Hub Buzzes With Activity

(Continued from Page F10)

that there may be a user's fee attached to the ARIS program, a minimal charge for the mainframe computer's time. It is also possible that the DHIA will make computer systems available to farms by leasing the hardware.

Aside from the business details, Wilson admits there are a few bugs that still require work. One of these bugs involve electrical storms, such as the one which occurred during a recent demonstration.

Each time he would connect with the mainframe, a bolt of lightning or a clap of thunder would erase the connection. "I could solve this with a noise protector on my modem or with a more expensive modem," he explains. "Or I could carry a fool-proof computer for demonstration purposes, but that would be far too expensive for the average farmer to consider, upwards of $26,000." Wilson explains that the MS/DOS hardware required for the program can be purchased in many cases for under $1,500, and sometimes for less than $1,000.

Wilson is hoping for better weather at Ag Progress where he will be demonstrating the ARIS program next week. He adds that farmers who would like to know more about the system are welcome to call him at the DHIA offices, 1-800-DHI-TEST.

Presently a pilot program to evaluate the new ARIS system is being conducted throughout the state. The program will provide input as to how dairymen would like the program presented on the statewide basis, sometime in 1987. Eleven dairymen are participating in the pilot project with the goal of evaluating and giving direction to the program before it is released statewide.

Participants in the pilot program include: Mason-Dixon Farms, Adams County; Merrymead Farms, Montgomery County; Richard Warnshuis, Erie County; Gillbrook Farms, Huntingdon County; Noll Farms, Cambria County, Oliver Butler, Tioga County; David Slusser, Crawford County; Kevin Schrack, Clinton County; William and Dan Boham, Susquehanna County; Albert Lendel, Mercer County; and Sinking Spring Farm, Inc., York County.

Also on tap for sometime in early 1987, Wilson plans to present workshops throughout the state to introduce the program to the general dairy community.

## Researcher To Study Bees In Panama

NEWARK, Del. – Dr. Dewey M. Caron, professor of entomology at the University of Delaware, has been awarded a Fulbright grant to study Africanized bees in Panama.

Caron will leave in August for seven months of study at the Facultad de Agronomia at the University of Panama in David. David is Panama's westernmost province. It adjoins the Costa Rican border and is the major agricultural area of Panama.

Caron will the effects of Africanized bees on beekeepers' practices. The bees first appeared in Panama in early 1982 and spread quickly across the country. The entomologist will also monitor the bees' progress and will study the basic reproductive biology of Africanized bees.

The Fulbright program is funded and administered by the U.S. Information Agency under policy guidelines established by the presidentially-appointed Board of Foreign Scholarships. Financial support for the program comes from U.S. Congressional appropriations and from the governments of 27 other nations.


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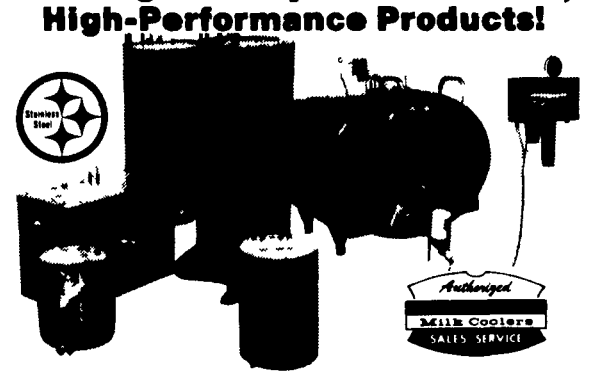


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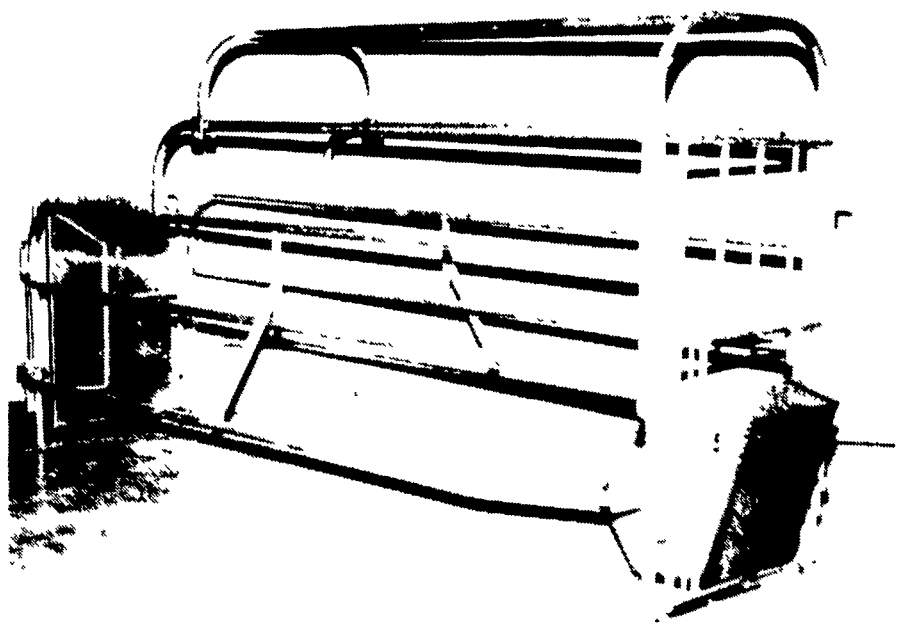

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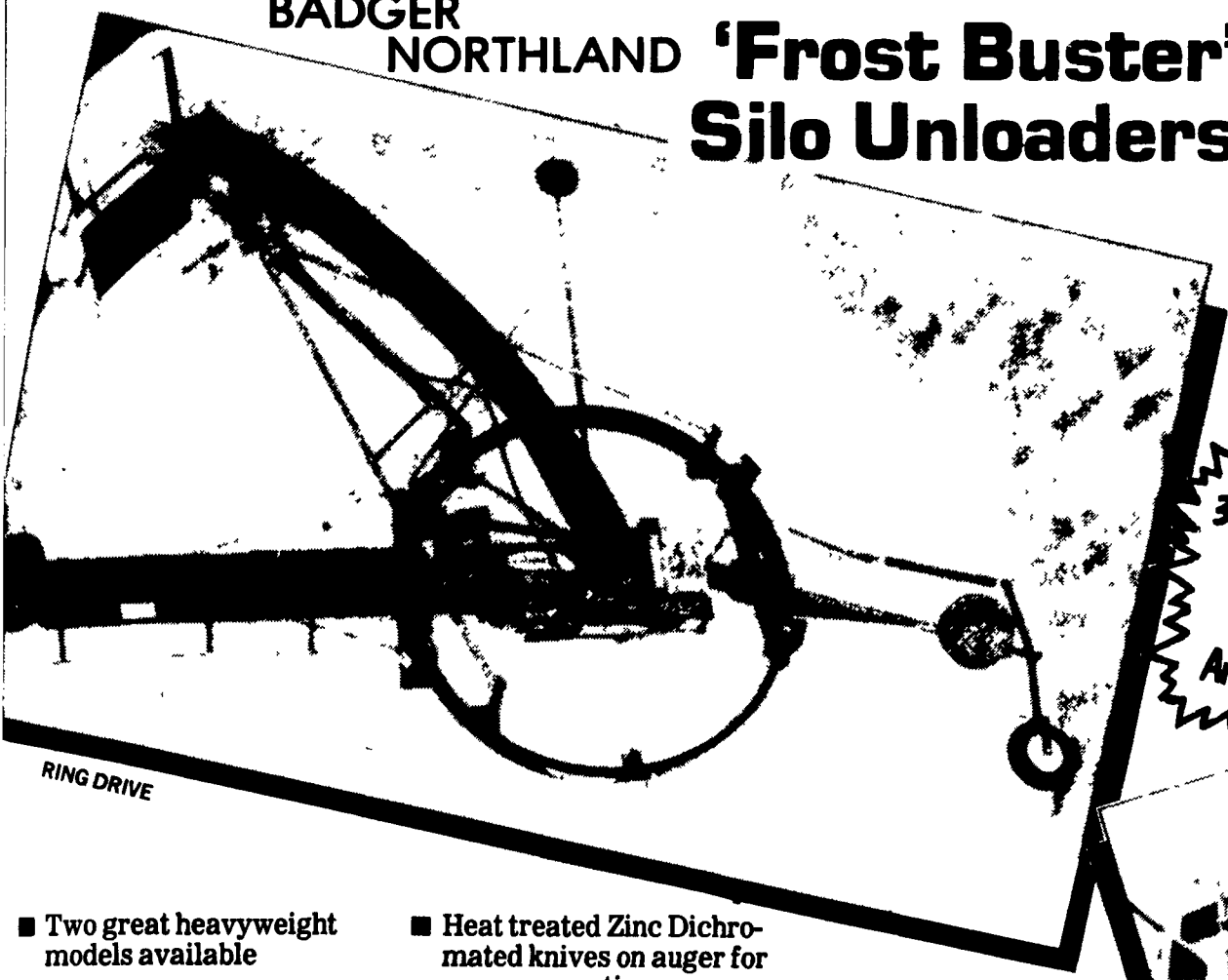

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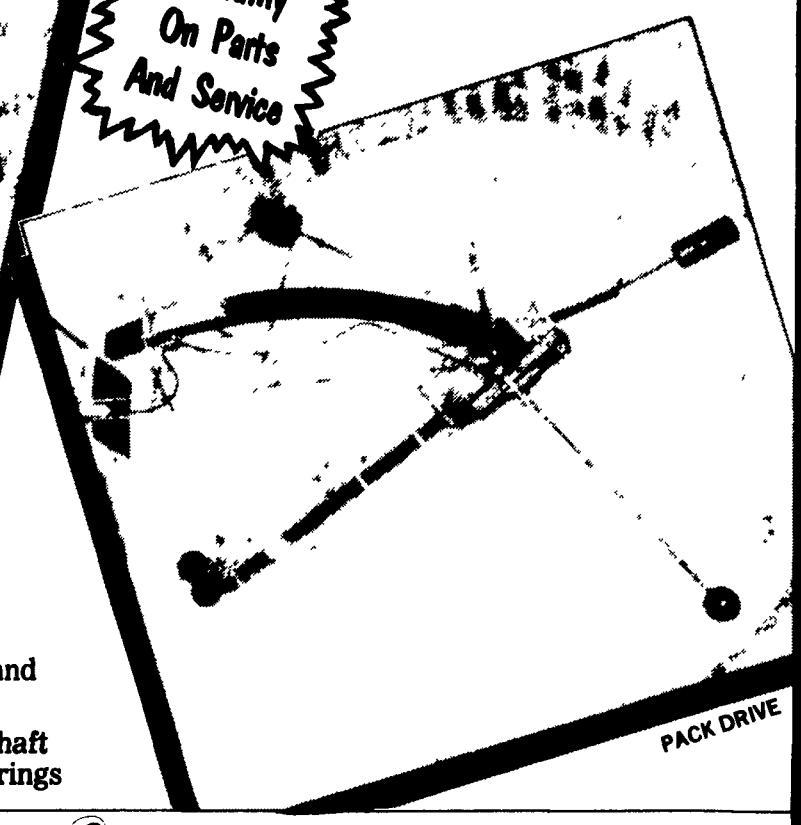

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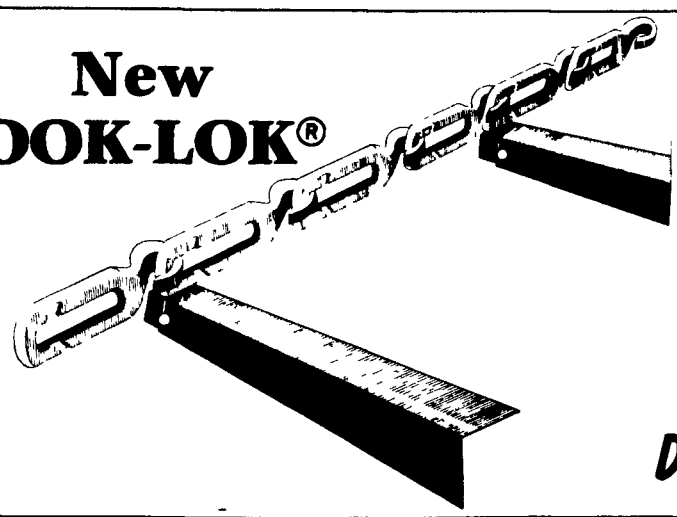

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# How Do We Balance The Budget Now?

When the Supreme Court declared a key provision of the Gramm-Rudman-Hollings balanced budget law unconstitutional, it was a major setback in our attempt to balance the budget. The court's decision was not unexpected, though, and many of us in Congress are now working to keep the country on a path to a balanced budget.

The provision of Gramm-Rudman that was struck down involves the U.S. Comptroller General's participation in the process of making budget cuts. The law said the Comptroller General would order automatic across-the-board budget cuts if the President and Congress could not agree upon cuts.

By a 7 to 2 vote, the court held that bringing the Comptroller General into the budget cutting process violated the constitutional principle of separation of powers.

The Constitution gives responsibility for implementing spending decisions to the Executive Branch and the Legislative Branch is responsible for setting budget priorities. The Comptroller General is director of the General Accounting Office, a body of Congress which oversees the efficiency of federal programs. He is appointed by the President but can be dismissed by Congress. It is around this congressional dismissal power that the court's decision hinged.

Outgoing chief Justice Warren Burger, who wrote the opinion of the court, says the dismissal power made the Comptroller General "subservient" to Congress. Justice Byron White, writing in the minority, criticized the decision, calling the dismissal argument a technicality.

The rest of Gramm-Rudman was left intact, however, and now it is up to Congress and the President to live up to the budget balancing goals of the law. Both the Office of Management and Budget in the White House and the Congressional Budget Office will still calculate how much spending must be reduced to reach the deficit cuts mandated by the law.

Congress will then have to face the law and pass budget cuts that will reduce the deficit. If this is not done, the Congress will have to face the American people, admit that it has broken the law and cannot balance the budget.

This means Gramm-Rudman is still a powerful weapon for fighting the deficit, and those of us in Congress who support it will be fighting to keep our nation on its path to a balanced budget.

("Capitol Comments" by Congressman Bob Walker)

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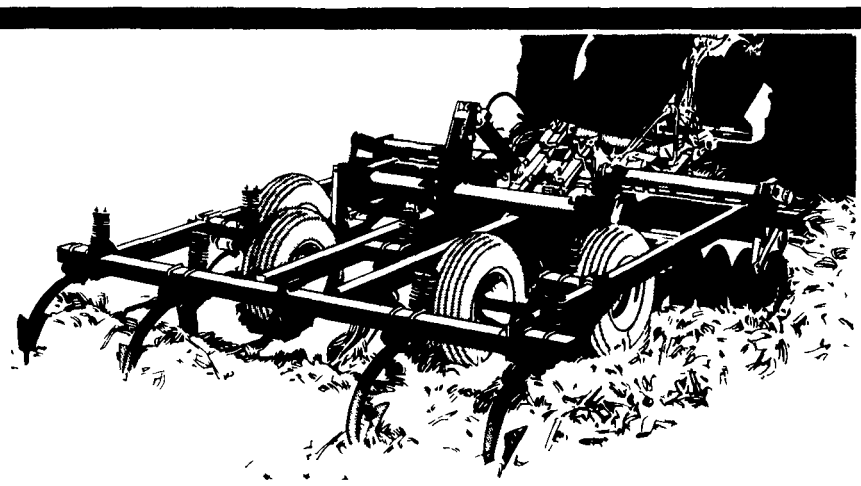
The 930-page book sells for $79.95 in hardcover. For more information, contact Robbie Myers Adams, advertising manager, Iowa State University Press, 515-292-0140.

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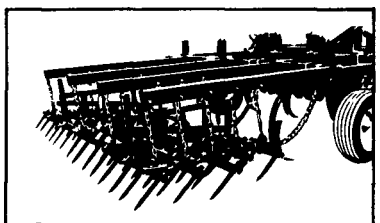

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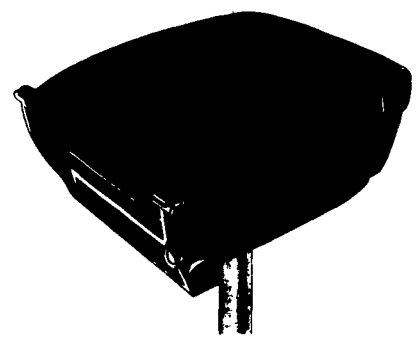

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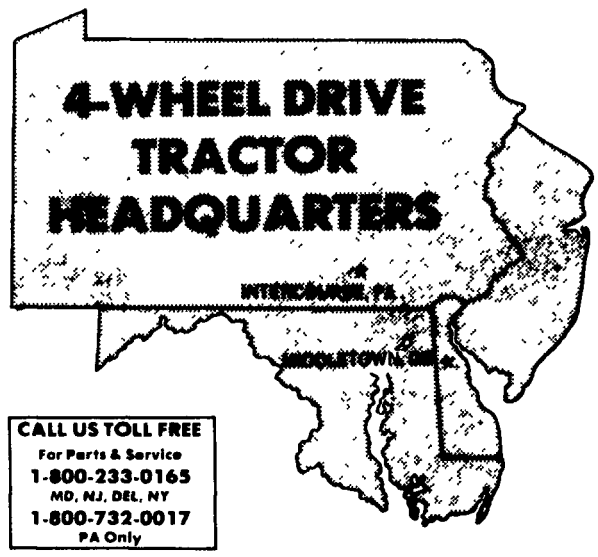


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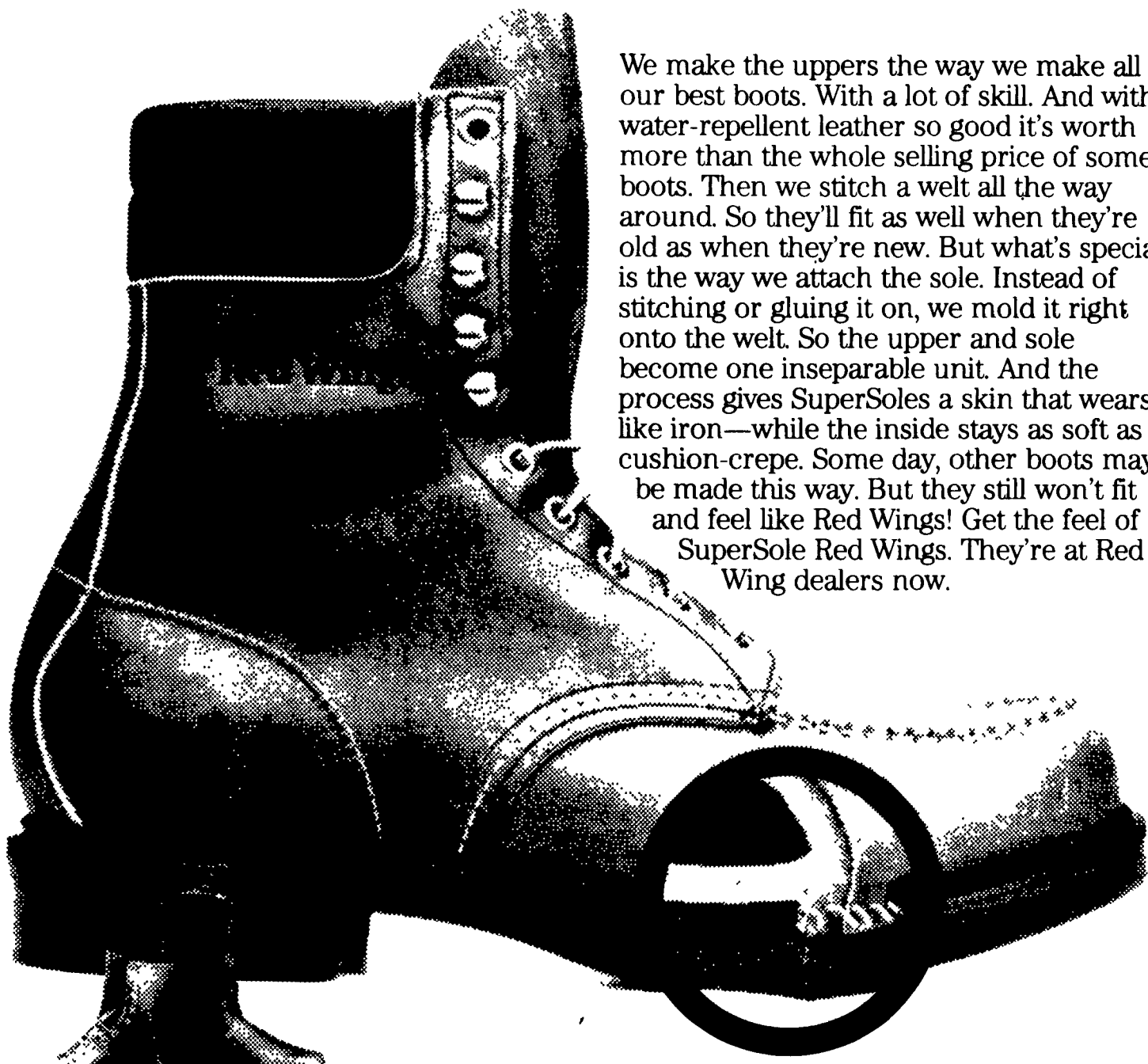

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# DHIA Computer Program Begins Field Trial

BY JOYCE BUPP
York County Correspondent

YORK — Marty Grey claims that a couple of weeks ago, he was a total "computer illiterate."

"And most times I feel like I still am," he chuckles, punching keys on the IBM terminal in his office at Sinking Springs Farm.

Grey, who manages the 70-head registered Holstein herd and the farm just north of York, is one of 11 dairy producers across the state testing ARIS, a pilot computer records setup for the state's Dairy Herd Improvement Association.

ARIS, or Agriculture Records Information Service, will be on display this week at Penn State's Ag Progress Days at Rock Springs. Originally projected to be on line to interested members about November, the high-tech records system is currently still in the debugging stage, as far as trouble-free operation of the farm-to-mainframe linkup and workability of the program.

"We're anticipating having the program ready to offer now early in 1987," says Jay Wilson, manager of technical development and special service for Pennsylvania's DHIA program. Wilson, who with a staff of two programmers and a systems analyst, is developing ARIS and will be on hand all three days at the Ag Progress DHIA computer display. If all the "kinks" are worked out, Wilson will demonstrate the system for interested DHIA members by accessing their records already stored on the University's mainframe data base.

Sinking Springs Farm's linkup to the ARIS program at Penn State's new IBM mainframe computer first goes by phone modem hookup through the York Extension office, which in turn is linked to Penn State's statewide extension computer mailing and message service. Running the ARIS system through the extension computer network will save users on telephone time charges.

Initially, Grey experienced difficulties making those phone connections. But Wilson and his computer team then developed a special program disk, which enables the computer to do it's own dialing and has eliminated some of the linkup difficulties.

Once logged into the mainframe at the University, Grey — and only Grey — will be able to access Sinking Springs herd records. Both the herd number, and a confidential password, known only to the farm user and never even appearing on the computer's video display or screen, protects a user's records privacy. And, even if a "snooper" punched in another user's herd number and the password, a herd record cannot be altered from an outside terminal.

"At this point, it's strictly a retrieval system," says Grey, a member of the DHIA state board. "No records can be added in from the farm; records can only be called up."

When fully on-line, DHIA computer users can look forward to daily access to their cow records.

"And, from that, a dairyman could sort the herd for all types of listings, like production, breeding dates, dry-off times. Other programs will eventually offer such options as heifer management, least cost rations, herd health, and reproductive records," Grey projects. "Ultimately, a user will have his own data base stored right on his own disks, and only log into the mainframe for help with a program."

An ARIS user will probably download records from the mainframe about twice a month, speculates Wilson, and then calculate and sort using the on-farm PC. Currently, pilot users are hooked to the mainframe every second of computer time.

In addition to the standard DHIA records, dairymen are expressing the greatest interest, according to Wilson, in a heifer management package. He also hears considerable interest in graphics capability for the program, so users can have the visual, pictorial comparison of charts to pinpoint management problems.

A second function of the program, PROFS, serves as a mail and message sending system. When the system is fully on-line and functional, PROFS, or Professional Office System, is expected to offer the DHIA farm user word processing and accounting capabilities.

Pilot users soon learn to check the message center. They may get a message from the mainframe, as Grey recently did, that the system would close down an hour earlier than usual on a particular day. Or Grey and other pilot program testers, including Mason-Dixon Farms in Adams County, Dave Slusser in Crawford County, and past DHIA state president Oliver Butler in Tioga County, occassionally send each other encouragement as they help iron the wrinkles from the system.

And there have been wrinkles, Grey will admit. One of the biggest for him was his lack of computer experience. Until the DHIA computer training session a few weeks ago, Marty Grey, like many of his fellow farmers, had never touched a computer. The one day seminar at Penn State, and cursory hands-on instructions when the unit was installed, isn't really enough training, in his opinion.

Fortunately, the system comes with a "user friendly" program that first teaches a novice how to operate the PC unit itself. The "Instructor," developed by Yale University, teaches with a disk, tape cassette and problems the user can work through at his own speed.

With a dairy herd and the normal outside related chores, Grey estimates that a new DHIA user should probably figure on a month of spare time keyboard doodling to feel comfortable just using a PC.

"And to really feel creative and confident about a farm's record keeping and program needs, I'd guess it might take a year of use," he speculates.

In spite of his personal lack of computer literacy, Grey saw the opportunity to participate in the pilot ARIS testing as a "tremendous, mind-expanding, free opportunity to learn the computer."

As to the long-range merit of the computer system to a particular farm situation, each producer will have to decide.

Projected cost for a suitable IBM or compatible PC with a dual disk drive, electrical surge protector and printer would perhaps start at about $2,000. While ARIS has been designed for use with IBM and compatibles, it should be adaptable to other systems.

"Any computer that can emulate the VT 100 terminal, an industry standard, should be able to adapt to the program." is Wilson's opinion. "Even Apple computer systems. There are more problems getting into other systems, and knowing which keys will operate the various functions."

There's also the possibility of rental or lease agreements, especially for novice users who might want to experiment before making a large financial investment in computer hardware.

No pricing structure has been considered yet for the actual use charges, but Wilson estimates that ARIS records might cost a dairymen from 15 to 50 cents per cow, per month, beyond current DHIA fees, in addition to the PC hardware investment. And, while he's heard a lot of grassroots interest in the program, "Interest and participation are two different things."

Martin Grey is one of 11 dairymen participating in the DHIA computer field trial.

"Sometimes it's hard to show a payback, or how it will make the dairyman money," acknowledges the DHIA computer specialist.

Another consideration of Grey's after his few weeks with the ARIS pilot is the potential for system overload. He has periodically experienced problems with logging into the University's mainframe computer. If several users are trying to access the mainframe, all phone hookups are busy, and access is denied.

No doubt frustration would set in fast to any dairyman, denied access to his computerized records, when he needs mainframe assistance to refigure a least cost ration before ordering feed, or retrieve new production calculations to determine herd feeding weights.

However, the installation of a new mainframe at Penn State may have attributed to access problems being encountered with the pilot program. Such "bugs" will undoubtedly be smoothed out as the system is developed and perfected, and Wilson's team determines how much mainframe space the ARIS users must be allotted.

"It's like any other farm tool, a management technique," says Grey. "If a farmer expects to manage the farm sitting at the computer keyboard, he'll soon run out of money. It is just another tool."

Based on his own experience, Grey warns that beginning users might have to budget how much time they allow themselves at the keyboard.

"I was — and still am — fascinated with the whole thing," he admits, while muffled noises hum in the PC and data stored more than a hundred miles away flashes onto the eight-inch, amber-lighted screen in just moments.

He envisions a dairyman saving "legwork" with ARIS, daily pulling out such information as breeding and heat detection dates, heifer vaccination reminders, sterility and reproductive reports. Trends or problems might also be spotted more quickly, such as high somatic cell counts and mastitis incidence at certain periods of the year, or a downturn in heat detection.

"I think," speculates Grey, "that the only limit some day may be a user's imagination."

Also on deck for the high-tech dairy future are cowside computers, with DHIA supervisors transmitting data direct from the barn to the mainframe on milk weights, somatic cell counts, butterfat test and related pertinent information for almost instant records calculations.

And, such technological developments are likely to lead to increased "centralization" of the DHIA program, for uniformity across the state of equipment, supervisor hiring, and training, and program fee structures.

A task force of DHIA state directors, members, dairy breed and related industry representatives is already studying the current program's organizational structure, and is expected to make recommendations in about a year.


See your nearest
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**Dealer for Dependable Equipment and Dependable Service:**

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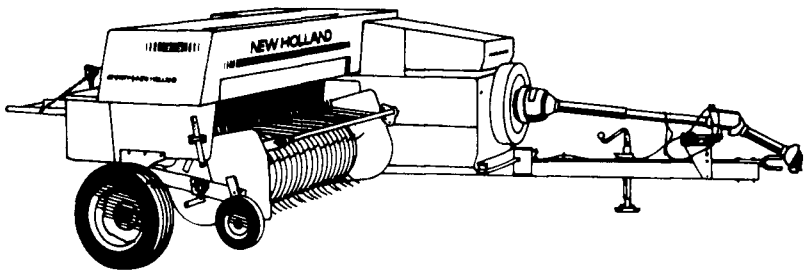
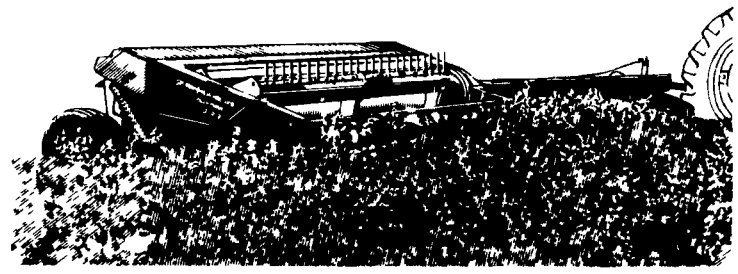
# SEE US AT THE AG PROGRESS DAYS AND SEE WHAT'S NEW FROM NEW HOLLAND

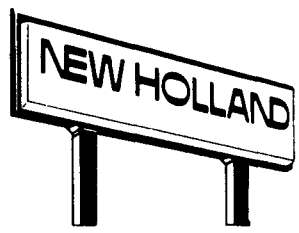
## YOU'LL GET A CHANCE TO SEE THESE AND OTHER NEW HOLLAND MACHINES IN OPERATION — PLUS A BIG DISPLAY OF "SUPER BOOM" SKID STEER LOADERS, SIDE DELIVERY SPREADERS, TEDDERS AND MUCH MORE!



## Reliability...

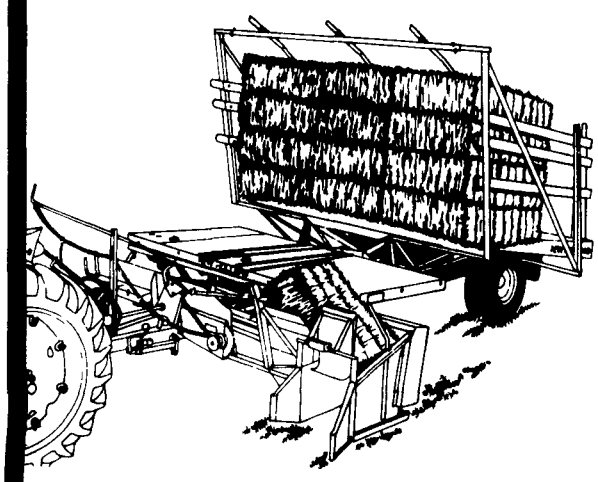
For dense, uniform bales, take a look at the Model 316 baler It s a rugged baler, packed with features for high-capacity baling From the wide Super-Sweep pickup to the most consistent knotter, it s got it all

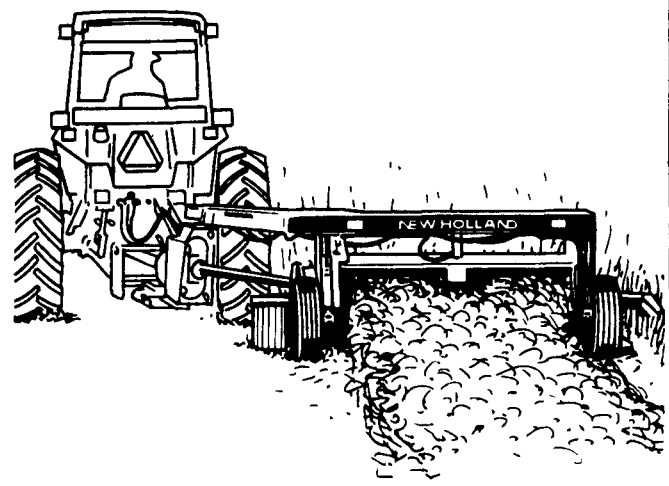



New Holland representatives will be on hand to show and tell you about new improvements and exclusive features. Then you'll see the new models in action, working in the field. Plan to attend so you can judge for yourself the superiority of New Holland equipment.

## Cut fast, avoid damage

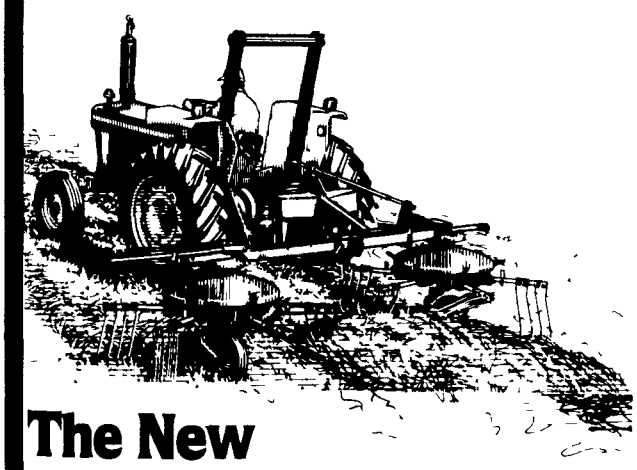
The Model 489 Haybine® mower-conditioner makes a nine-foot cut, fast The rolls on the "489" are in the main frame, not in the header. So the header is light, to glide over rocks and obstructions with less chance of damage






## One man haying!

Save time and labor with the economical Model 1003 automatic bale wagon You'll pick up, haul, and stack bales from your tractor seat. This labor-saver handles 83, 14" × 18" bales per load With the "1003" you don t have to wait for someone to help you hay! Stop by and see what the "1003" can do for you



## No plugging in tough crops

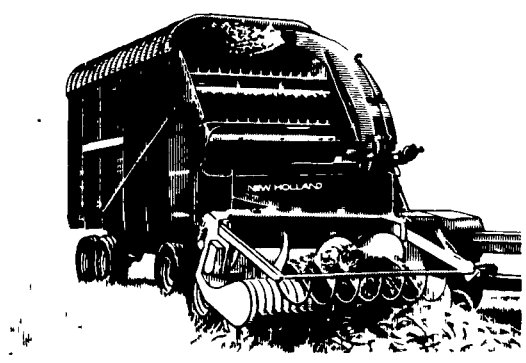
The Model 411 Discbine™ disc mower-conditioner keeps on going, even in your toughest crops Six discs make a 10-foot wide cut They ll mow through fire ant hills and gopher mounds, and slice under down, tangled crops Seven-foot wide intermeshing rubber rolls condition your crop gently and thoroughly for faster drying

## The New Model 254... the tedder that rakes

Now you can rake and ted with the same machine-- the Model 254 rake tedder The Model 254 lets you perform a variety of hay-making functions You can rake a swath into a windrow, rake 2 windrows into one, turn windrows, and move crop away from treelines and fences And, without tools, you can convert the '254 into a tedder that fluffs up wet, matted-down crop for quick drying Stop in and let us show you the flexibility of the Model 254 rake tedder

## Picture perfect bales

The Model 853 round baler gives you a sure fast core in a dense, 1200 pound bale And, the 853 offers a host of automated features to make your baling easier Come see what the Model 853 can do for your round baling operation




## Model 790

The Metalert II electronic metal detector stops the feedrolls before stray metal enters the cutterhead You avoid costly repairs and downtime and keep nasty bits of chopped metal out of your livestock feed Because Metalert II works so well you get a five-year quarantee against cutterhead blow-ups caused by ferrous metals

**SEE YOUR NEAREST NEW HOLLAND DEALER FOR A DEMONSTRATION ON YOUR FARM.**

# *Williamsport Community College*

## *Offers Microcomputer Courses*

WILLIAMSPORT — The Williamsport Area Community College's Business and Computer Technologies Division is offering a series of one-credit courses this fall designed for those who use, or will be using microcomputers.

The classes in the series provide opportunities for students to gain practical skills they will need to use microcomputers at work, home, or school. It also is an opportunity to learn about a computer before actually buying one.

Courses are convenient – with options for daytime, evening or weekend scheduling. Included in the series are the following: Data Base for Microcomputers, Microcomputer BASIC I, Microcomputer BASIC II, Microcomputer Fundamentals, Payroll Accounting for Microcomputers, Spreadsheet for Microcomputers, Symphony I, Symphony II, Symphony III, and Word Processing for Microcomputers.

For more information, call The Business and Computer Technologies Division at (717) 326-3761, ext. 225.

## MAILBOX MARKET
### FOR SALE

AC 9000 Series 5-16" semi mount plows, side hill hitch with cylinders, $500. Montour Co. 717-437-2721.

Pregnant Alpine goats due Sept., bunnies, $4; free kittens, 5 yr. Palomino Q.H. mare, sweet, green broke, reasonable. So. Chester Co. 215-268-3226.

Pair of peacocks, 3 years old, $75. Earl F. Minnich, 87 Green Acre Rd., Lititz, PA 17543.

JD PTO corn binder with long loader, good condition, $350. Centre Co. John A. Stoltzfus, Star Rt. Box 24, Rebersburg, PA 16872.

NI hay, grain elevator, 40'. All accessories, $1,500. Power corn sheller, $300. Both excellent. Lycoming Co. 717-745-7717 or 745-7642.

8'x16' all metal porch roof. Lanc. Co. After 5, 717-733-7855.

Reg. Hampshire ewes and rams with papers or without. Stewart Ebersole, RD3, Box 352, York, PA 17402. York Co. 717-741-2222.

24' bale elevator, small travel trailer with stone refrig., hamsters, free glass front store cooler. You haul. York Co. 717-244-1177.

Border collie mix puppies, 6 weeks old, $35. 717-529-2396.

30 freezer lockers, $30. Cork insulation. Best Offer. Lanc. Co. 717-354-0644.

Two 13.6x38 tires on JD rims; filled with calcium, $100 for both OBO. Lanc. Co. Best 4:30PM to 5:30PM, 215-484-2254.

Five piece walnut dovetail bedroom suit, $325; complete two metal single beds, $50 each. Lanc. Co. 717-626-6592.

1948, 1½ ton Ford cab and chassis. Needs work, $500. Berks Co. 215-326-1385.

NH baler #268; IH rake #14; NI corn picker. Montg. Co. 215-754-7479.

McCormick Deering corn binder with currier; M.C. ensilage cutter, blower #7, 4 knife. Both Excellent Condition. $1,050. Berks Co. 215-693-5624.

JD 2R potato digger with wind rower, $1,500. Boggs potato grader, $50. Snyder Co. After 6, 717-539-8153.

1977 Chevy Monza in good condition and it is inspected. Perry Co. 717-789-4353.

JD 1630 plowing disk and Oliver 1655 gas tractor. Lebanon Co. After 8PM, 717-865-3288.

Eagle, AMC 4x4, loaded! AT, AC, excellent in snow. Also 74' capri KZ400 Kawasaki M.C. Must sell! York Co. 717-235-6966 eves.

#68 NH baler w/Wisc. engine, baler, excellent condition. David S. Beiler, 452 Mt. Sidney Rd., Witmer, PA 17585 or call 717-299-3721.

Sex-Sal pullets, brown eggs. Lanc. Co. 717-665-7917 or 1-800-468-5524.

71 International travellall, 4WD, very solid, Myers snow plow, loaded with options. $3,000 OBO. 717-872-6106. Lanc. Co.

MF 200 chopper, 540, 2R and pickup, elec. control, power sharp. 703-433-2356 mornings, evenings.

JD belt driven corn sheller w/cab stacker, $90; Big 11 yr. bay lead mare, dependable, $475. Marcus Stauffer, RD1, Port Trevorton, PA 17864.

8N Ford rebuilt engine, hydraulic front blade, good shape, $2,000. Berks. 215-562-8932. No Saturday calls.

Potato plow, double steel tobacco ladders on rubber, single ladder on steel, flat wagon and rabbit cages. Lanc. Co. 717-684-5352.

Case skid loader Model 1816, excellent cond., $3,450 OBO. Franklin Co. 717-352-3672.

Rye cleaned, bagged, $3.50 per bushel. Perry Co. 717-536-3383.

New 60" heavy duty rototiller, $1,000. Kutztown, PA. 215-683-7230.

1979 Chev. pickup 427 truck engine, PS, PB, AC, dual wheels. Lanc. Co. $3,800. 717-548-2077.

1969 Mercedes-Benz 190D, 4 door car, fair condition. Free liquid poultry manure. 717-354-0379.

Charolais bull, polled, royal lines and 6-84, 80 cents a lb. Lehigh Co. 215-282-3683.

77 C-65 Chev. cab and chassis for parts, good 366 motor, automatic trans., $600. Berks Co. 215-286-9163.

Kubota B6100 14HP 4WD tractor with loader, rear mount mower, rototiller less than 300 hrs., excellent condition. Union Co. 717-524-9427.

Ford 800 w/Wagner loader wheel weights, 200 pcs. used slate, $55; Old barn timber, various sizes. Schuylkill. 717-385-0723.

Century wick applicator, 14' cylinder, hoses, nice, $1,595; IH 810 grain head floating cutter bar, hyd. reel, $1,100. Montg. Co. 215-584-1146 days, 215-489-0170 eves.

MH 44 gas tractor, power steering, pulley, running condition; Also white crossbred boar hog, 8 months old. Bucks Co. 215-249-9136.

Dorset ram lambs, 3 to choose from all twins, $100. Northampton Co. 215-588-7191.

½ interest in D-2 bulldozer. Bucks Co. Super Little Earth mover. Make Offer. 215-968-2649 eves. only.

Rambo apples, $5/bu.; Bartlett pears, $6/bu. Lanc. Co. 717-656-9393.

Ear corn, Pioneer 3320, picked clean, $72/ton; Fox Terrier pups, ready Sept. 1, 2 mis. E. of White Horse. Lanc. Co.

1972 IH 666 dsl., 1300 hrs., excellent condition, $8,000 FIRM. Ask for Dale, 717-938-6309.

Five new unassembled 21 hole chicken nests; NI hay rake; NH flail chopper. Lanc. Co. 717-665-5116.

8,000 plus tobacco lathe, $8 per hundred; single ladder tobacco wagon on rubber tires, $75. Lanc. Co. 717-665-5544.

Vicon spreader, $700; 275 gal. dsl. fuel tank, $75. Both good condition. Eli Z. King, 336 Osceola Mill Rd., Gordonville, PA 17529.

Singer shoe machine #29-K-51, $300; 5'x10' thickness planer, like new, $500. John M. Sauder, R1, East Earl, Lanc. Co., PA 17519.

1977 IH 1800 truck with 18' flat bed, 33,000 GVW; Farmall 300 tractor York Co. 717-244-3760.

Set of 45' self leveling Hardi sprayer booms, use for field or produce spraying. Best Offer. Lanc. Co. 717-354-7338 eves.

Three purebred Hampshire boars, too large for gilts. Seven Agstar raised farrowing crates. John B. Stoltzfus, RD 1, Box 267, Hill Rd., Kirkwood, PA 17536.

Registered Australian blue heeler pups, good cattle dogs, shots and wormed, $100. Berks Co. 215-562-4161.

JD 520 excellent, $2,800, offer considered; #404 NI wheel rake, roll-o-matic front end JD 2510. 301-848-1047.

McCormick Deering 22-36 full steel, runs, $1,000; 2 Shepherd dsls., 1 complete stuck, 1 parts, $1,000 pair. A.A. Co., MD 21401. 301-464-3658.

7.50x20 truck tire w/tube, good shape, $20; 16" jeep wheel, $5; 6.50x16 tire free with wheel. Berks-Lehigh Co. 215-756-6285.

NH 717 S harvester, elect. controls, Grove & NI 16' forage wagons, Int. 56 blower, good cond., shed kept, field ready. Berks Co. 215-589-2408.

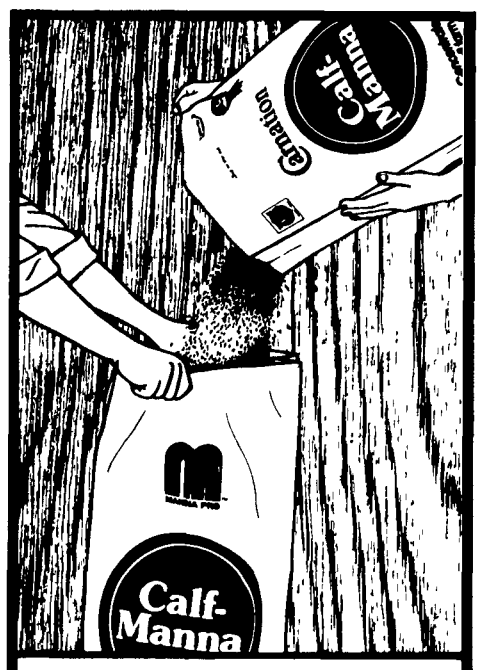
Ford Dearborn 6' hay mower, Model 14-15, $75 Columbia Co. 717-799-5521.

Ford 1510, Ford 9N, IH C w/new Woods belly mower, Ford 501 mower, IH M & Wagner loader. Bucks Co. 215-847-5907

NH twindrower rake hitch, $300; 10' McCurdy spike tooth harogator, $300 Both in very good condition. Cumb. Co. 717-258-6682.

Sheep, crossbred ewes ages one to three years Purebred Hampshire rams, papers optional. Best Offer. New Castle Co. 302-239-7565.


# STOP BY OUR BOOTH AT AG PROGRESS DAYS



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# FOX BRADY

## SELF PROPELLED FORAGE HARVESTER

## RETAIL INCENTIVES

NEW

NEW

## COMPARE LIST PRICES

| | Date | List Price | Base Unit |
|---|---|---|---|
| FOX BRADY Model 6654 250 HP 4 Wheel Drive Air Conditioner Heater Electric Knife Sharpener Iron Sensor 18 4x26 Tires | 2 1 86 | $74 467 00 | FOB Fact |
| John Deere Model 5730 225 HP 4 Wheel Drive Air Conditioner Heater Reverse Drive Knife Sharpener Metal Detector 18 4x30 Tires | 11 1 85 | $91 477 00* | |
| New Holland Model 1900 270 HP 4 Wheel Drive Air Conditioner Heater Manual Knife Sharpener Metal Alert II 18 4x30 Tires | 11 25 85 | $104 812 00* | |

* Available Retail Pricing

## COMPARE ATTACHMENTS

Who has a Kernal Breaker (Patent Pend ) that will crack or damage up to 99% of all kernals and break the cob slices for better palatability and digestion? ONLY FOX
Who has an automatic Knife Grinder (Patented) that sharpens/rebevels knifes at a flip of a switch and lets you eat lunch or service your machine at the same time? ONLY FOX
Who has a 2 or 3 row quick adjustable Corn Head (Patented) that adjusts from 30" to 40 rows with the aid of a ratchet wrench? ONLY FOX
Who has a chain monitor to instantly stop the feed rolls and corn head if a gathering chain becomes loose or broken? ONLY FOX

## — SAVE —

$17 010 00 LESS THAN JOHN DEERE MODEL 5730
$30 345 00 LESS THAN NEW HOLLAND MODEL 1900

## PLUS

FOX BRADY is offering their dealers the Retail Incentives listed below off of current Suggested List Price

| SPF MODEL | RETAIL INCENTIVE | SPF MODEL | RETAIL INCENTIVE |
|---|---|---|---|
| 6650 | $10 000 | 6654 (4 WD) | $11 000 |

## PLUS

**WAIVER OF INTEREST** TO JANUARY 1, 1987 ON ALL SELF PROPELLED UNITS

## OR

**CASH DISCOUNT** IN LIEU OF WAIVER OF INTEREST

| Model | April | May | June | July | Aug | Sept | Oct -Dec |
|---|---|---|---|---|---|---|---|
| SPF 6650 | 6 000 | 5 350 | 4 700 | 4 050 | 3 400 | 2 750 | 2 100 |
| 6654 | 6 500 | 5 800 | 5 100 | 4 400 | 3 700 | 3 000 | 2 300 |

## OR

Retail Finance Plan Up to 4 Years With Monthly Or Quarterly Payments at a Low Interest Rate Check with your Fox Brady Dealer NOW for these BIG SAVINGS and pay NO INTEREST until January 1 1987 or pay cash and receive a check for the cash discount sent directly to you

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This offer is limited to current qualified inventory and available only through Fox Brady Dealers

Call Or See Your Brady Fox Dealer For Details:

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**C.J. WONSIDLER BROS.**
Quakertown, PA
(215) 536-7523
New Tripoli, PA
(215) 767-7611
Oley, PA
(215) 987-6257

**GRUMELLI FARM SERVICE**
Rt 222, Quarryville, PA
(717) 786-7318

**DOTTERER EQUIP., INC.**
RD 3, Mill Hall, PA
(717) 726-3471

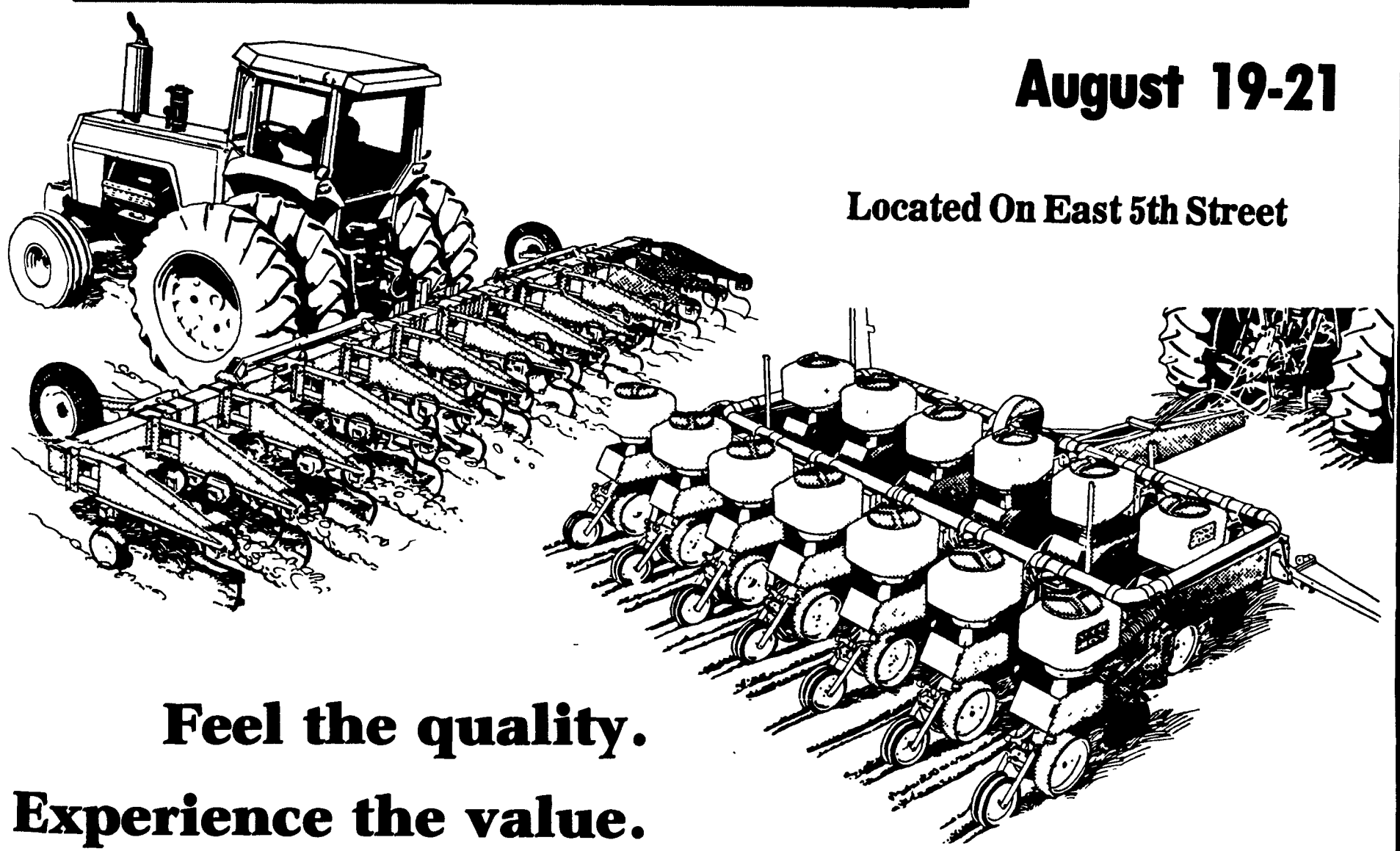
**GUS FARM EQUIP. INC.**
Rt. 616, P O Box 85
Seven Valleys, PA 17360
(717) 428-1967

SEE THE WHITE FARM EQUIPMENT

# DISPLAYED & DEMONSTRATED DURING AG PROGRESS DAYS

## August 19-21

**Located On East 5th Street**



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## SEE YOUR LOCAL WHITE FARM EQUIPMENT DEALER

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Hagerstown, MD
301-733-0515

**BURCHFIELDS, INC.**
112 S. Railroad St.
Martinsburg, PA
814-793-2194

**STOUFFER BROS., INC.**
1066 Lincoln Way West
Chambersburg, PA
717-263-8424

**NORMAN D. CLARK & SON**
Honey Grove, PA
717-734-3682

**ELDER SALES & SALES**
Stoneboro, PA
412-376-3390
376-3740

**FARNSWORTH FARM SUPPLY INC.**
103 Cemetery St.
Hughesville, PA
717-584-2106

**HANDWERK BROS. SERV. CENT.**
RD 1 - Neffs
Slatington, PA
215-767-5946

**ERNEST SHOVER FARM EQUIPMENT**
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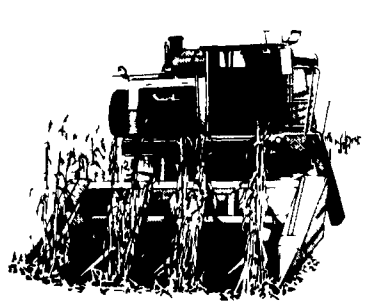
Carlisle, PA
717-249-2239

**N.G. HERSHEY & SON, INC.**
Manheim, PA
717-665-2271

**THOMAS E. SIBERT FARM EQUIPMENT**
1175 Brickcrafters Rd
New Oxford, PA
717-624-8763



**MILLER EQUIPMENT CO.**
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215-845-2911

**STANLEYS FARM SERVICE**
RD 1 - Off Rte. 125
Klingerstown, PA
717-648-2088

**STOLTZFUS FARM SERVICE**
Cochranville, PA
215-593-2407

**FRANK RYMON & SONS**
State Rt. 31 South
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**SHUEY'S SALES SERVICE**
Ono, PA
717-865-4915

**OWEN SUPPLY CO., INC.**
East Ave. & Broad St.
Woodstown, NJ
609-769-0308

## MAILBOX MARKET
### FOR SALE

Rabbit cages, 1 outside with wire bottom, 2x3½' and two carrying cages. MD Line, MD. 301-343-0026.

Rye $3,25 a bu.; also JD 3R silage head, $2,500. Cumberland Co. 717-423-6188.

Two 3HP Tecumseh compressor units, good cond., $250; DeLaval timer converter with reset for 12 volt milker line. Montour Co. 717-437-2714.

1968 Chevy C-20 pickup, 292 cu. in. 4SP uses oil; JD 46A loader. Make Offer. Franklin Co. 717-597-8553.

Electric motor; new 2HP, 3PH, 3470 RPM 230/460 v., 60 c., totally enclosed, $100 OBO. Fulton Co. 717-987-3732.

Farmall Cub Loboy, sickle bar mower, springtooth harrow, snow plow, excellent, $3,200. Lack. Co. After 5PM, 717-842-9840.

One yr. old male Fox Terrier, $10; 1,000 gal. tank, $75. 215-267-2783.

JD Model B running cond., $500. Lanc. Co. 717-354-6712.

Two Farmhand silage wagon, $325 each. Large rye seed, $4 a bushel. H.R. Hoover, RR1, Box 510, New Holland, PA 17557.

NH 354 grinder mixer w/long unloading auger, like new, $3,000. Lanc. Co. 215-445-4786.

Five year old saddlebred driving horse, traffic safe. Lanc. Co. 215-445-4354.

430 acre dairy and hog farm. St. Lawrence Co., NY. Priced for quick sale. For info call 315-384-3931.

Portable 225 amp Miller welders. Rebuilt Wisc. engines. Also 10% discount on Kawasaki engines until Aug. 30. Stephen Fisher, Lincoln University, PA 19352.

Collie puppies and stud service for Collie and Pomeranian. Also mobile home, New Yorker 12x70. Lanc. Co. 717-733-8770.

Nice registered saddlebred mare, 12 years old, traffic safe, sound, good road horse, good bloodlines, $1,000. Chester Co. 215-273-9665 or 273-9358.

Dairy herd consisting of 25 holsteins and Jerseys in Bedford Co. For more info, 814-733-2832.

Nubian nanny goat, 5 months, good conformation, nice pet, great possibilities! $40. Reason for selling? Too many goats. Lanc. 717-733-4269.

Black ram 2 yrs., $75; also black spring lambs, large single pane, steel frame windows, $8 each. Lanc. Co. 717-665-7842.

Farmall H w/mower, good condition. Chester Co. After 5PM, 215-869-2509.

IH oil burning stoker 52x43x23" with lots of stove pipe, $100. D. Blank, Star 2, Shippensburg, PA 17257.

New 14.9x28 tractor tire, $100; JD M tractor sharp, cult., 2B plow, saw buck snow plow, $2,175; NI 325 narrow picker 12 row bed, $4,800. 717-354-0266.

Ford 7½' sickle bar mower, gas incinerator for fowl, tire chains for cub tractor. Berks Co. 215-562-7776.

NI 325 narrow row picker w/329 Super sheller, excellent condition. Lycoming Co. After 5PM, 717-546-5708.

14 holstein heifers bred due Aug. thru Dec. After 6PM, 215-926-5645.

3R Fox low profile corn head, excellent condition; #56 blower, $475. Chester Co. 215-593-5574.

500 used bu. crates stored inside 40 cents each takes all. John Bean potato vine beater. Clearfield Co. 814-263-7230.

Northrup Suntracker solar collectors, controller, 2 tanks, $1,500; shopvac used twice, $30; water tank, $30; oil tank, $30. SE Leb. Co. 215-589-4002.

New 16' Badger forage wagon and tandem gear. Priced to sell. $7,500. Union Co. eves. 717-966-2720 or 717-966-1998.

IH truck 5SP trans., 2SP rear, 26,000 GVW. Grain bed w/extensions and dump. 717-533-4408 eves.

Antique cigarette machine (rowe) six brand, 15 cents/pack w/change return, very good. Clyde Clark, Rt. 1, Milan, PA 18831.

2,700 gal. Bremmer farm pickup tank #4, good cond., $7,100. Lanc. Co. 717-442-8564.

Jamesway barn cleaner w/180' chain, $500; R/H plow for A.C.B., $50. Lloyd Pontius, R1, Box 67, Elliottsburg, PA 17024.

Arthitube coal stoker, good cond. Complete w/domestic hot water coil, $150. 215-869-3495.

1979 conv. Int. tractor, 350 cummins, Jake brake, wet line, 13 spd., full screw, 20' stock trailer goose neck. York Co. 717-927-6294.

10KW stand-by generator w/32HP, LP gas engine; 5KW generator on frame for 3 pt. mounting. Lanc. Co. 215-267-4678.

702 Uni tractor, $2,500; 729-A sheller, $2,250; 767 Super chopper, $2,250. All good cond. 703-338-6471 after 6 PM.

Polled Hereford cattle, registered bull and heifer calves by Granite, Justification, BT Leader and other top sires. Berks Co. 215-589-5617.

Sheep, small flock of white faced ewes. Mostly Dorset and Dorset ram. Chester Co. 215-932-9395.

1,000 #25 tomato boxes, like new, 50 4 way palletts, 40x48 Schu. Co. 717-648-5056.

Family cow only reg. Jersey, due 3/3/87, $400. Chester Co. 215-269-0759 before 8:30 AM or after 5 PM.

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NI flail chopper #825, make offer; also 41'6" auger, PTO hopper. Lanc. Co. 717-872-2646.

NI 324 picker w/327 12 roll husker, like new cond., $6,000. Adams Co. 717-624-2419.

Case 800D for parts; Bolens 36" snow blower attachment; Bolens 33" H.D. tiller attachment for twin cylinders. Warren Co. 201-453-2491.

AC 600 no-till corn planter w/ss fert. boxes, reversed frame, almost new no-till coulters, $700. York Co. 717-244-6312.

1974 Dodge 600, 20' tilt bed, 26,000 gross, good cond., $4,500. Franklin Co., near Chambersburg. 717-349-7524.

JD 400 grinder mixer, good cond., $1,800; 400 AMP portable gas welder, $700. Joe Stoltzfus, R3, Box 121, Mechanicsville, MD 21659.

Rye, clean, untreated, $3.00/bu. Cumberland Co 717-766-4960.

Woods mower Cadet, 60 HD, $550; commercial tiller, 3 pt. hitch Kubota FL1271C, $1,295. Theron Foster, R2, Pottstown, PA 19464.

Snow fence, 7 rolls, $10/roll or $60 for all, good cond. Chester Co. 215-593-6238.

Ford truck, 1970, tilt cab, 10x20, good rubber, 5x2 trans., 20 Morgan flatbed w/good dump, good cond. Reasonable. Berks Co. 215-562-4575.


# Madison Silo Co. of Pennsylvania

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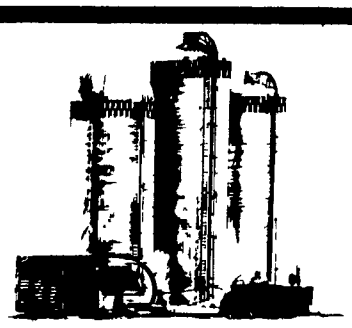

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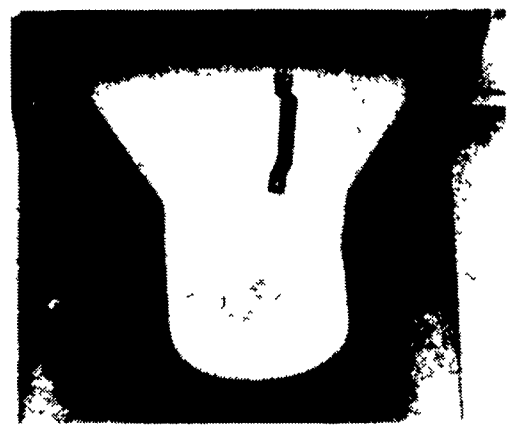

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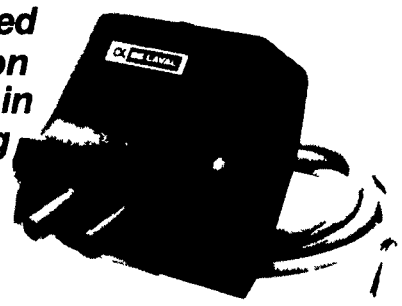

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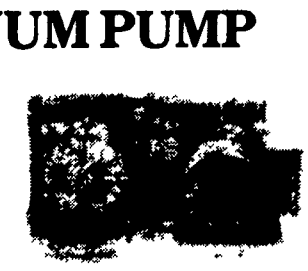

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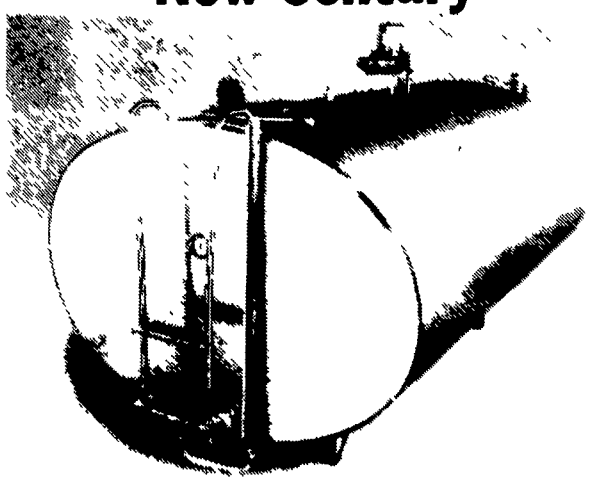

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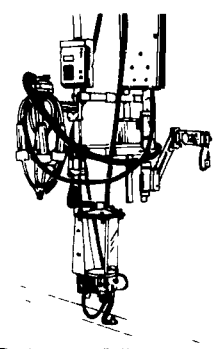

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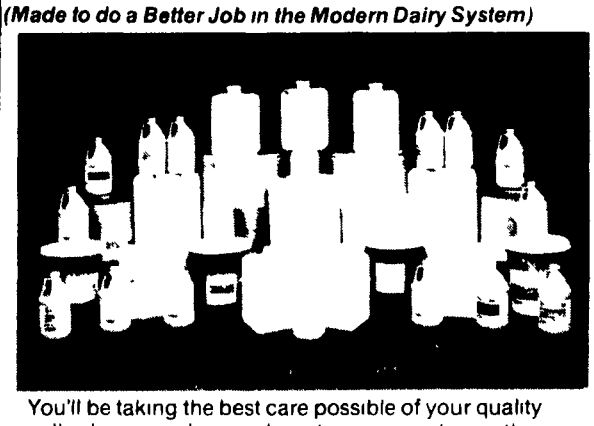

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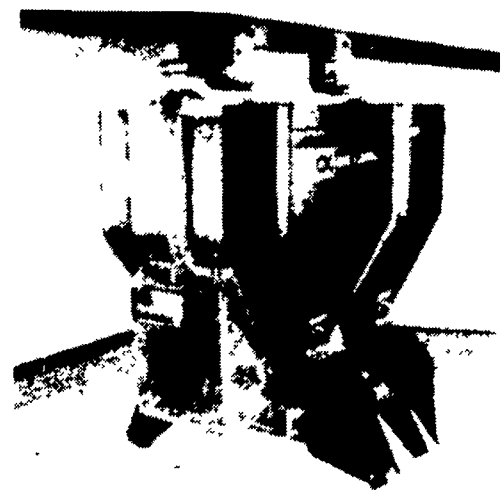

**NOW... All the advantages of automatic individually controlled feeding is available for stanchion and tie-stall barns.**

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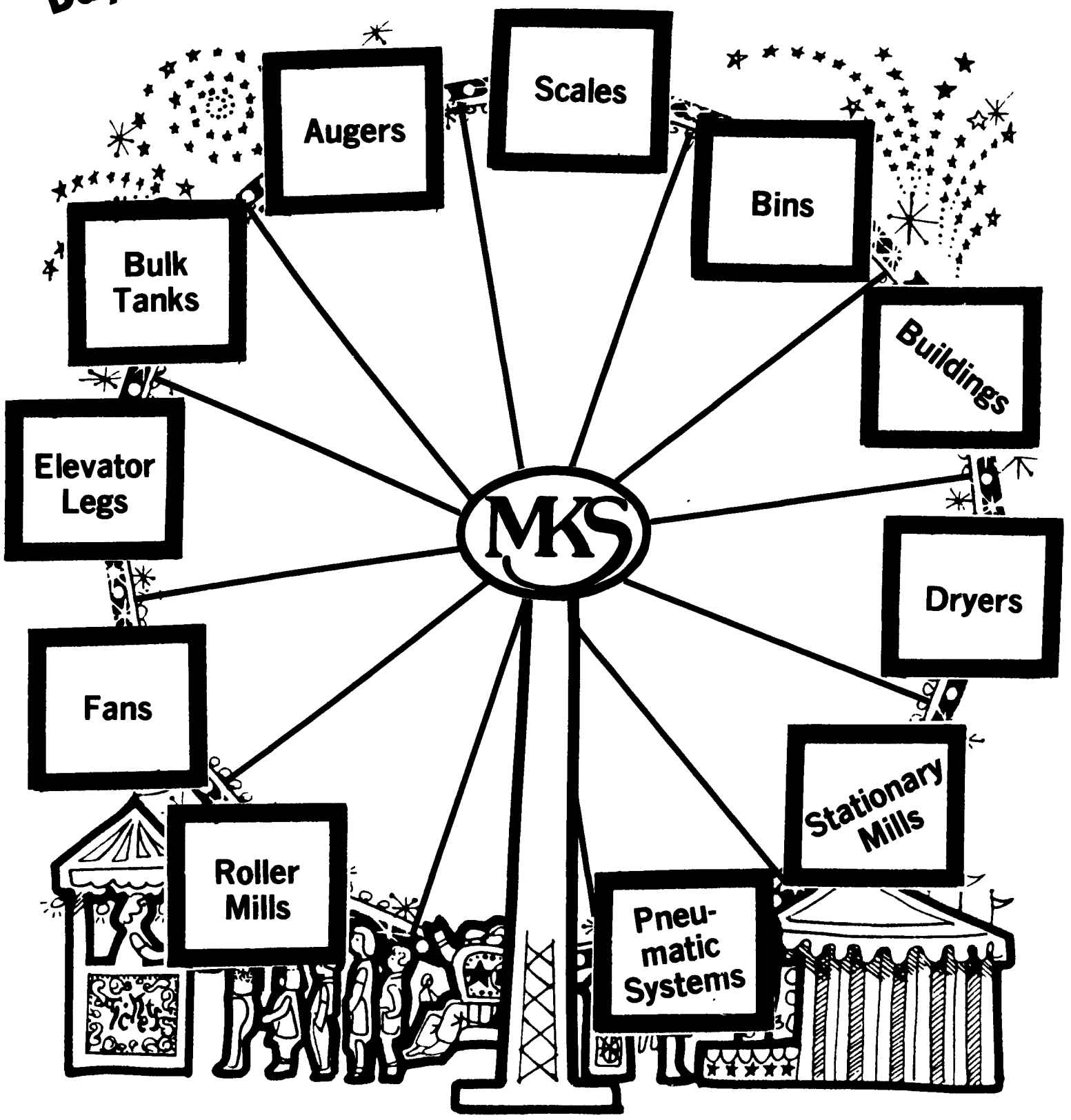


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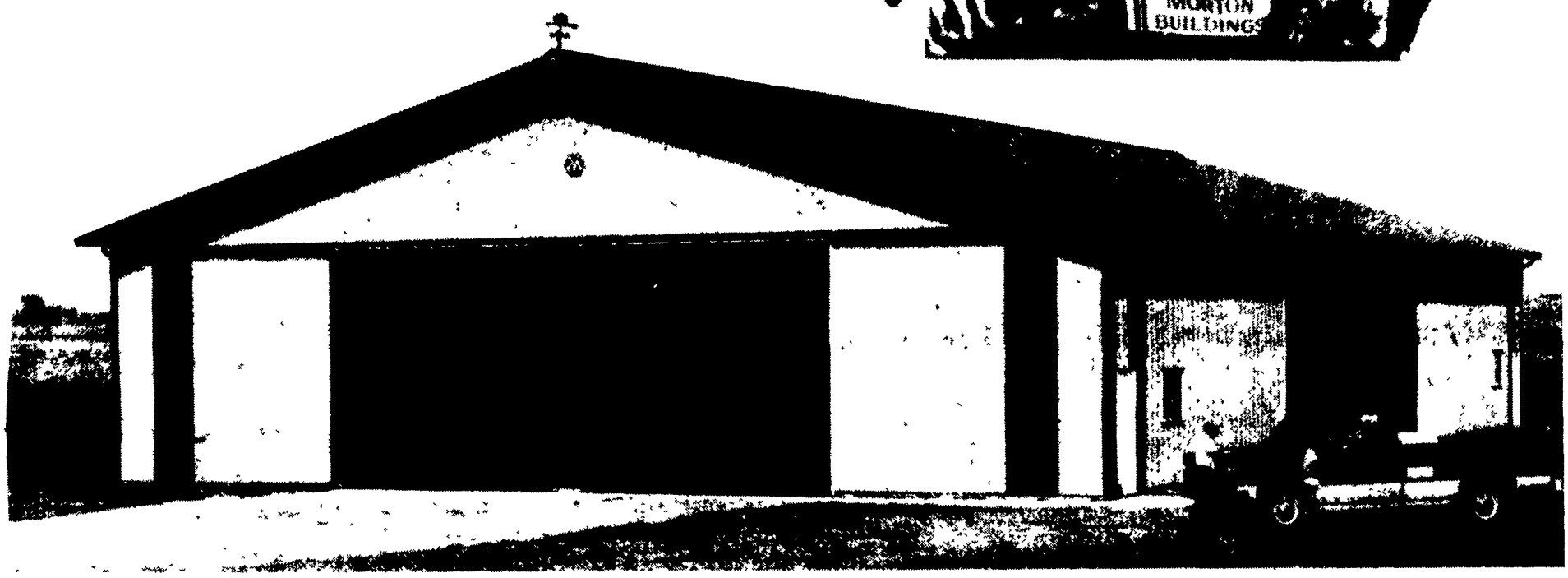

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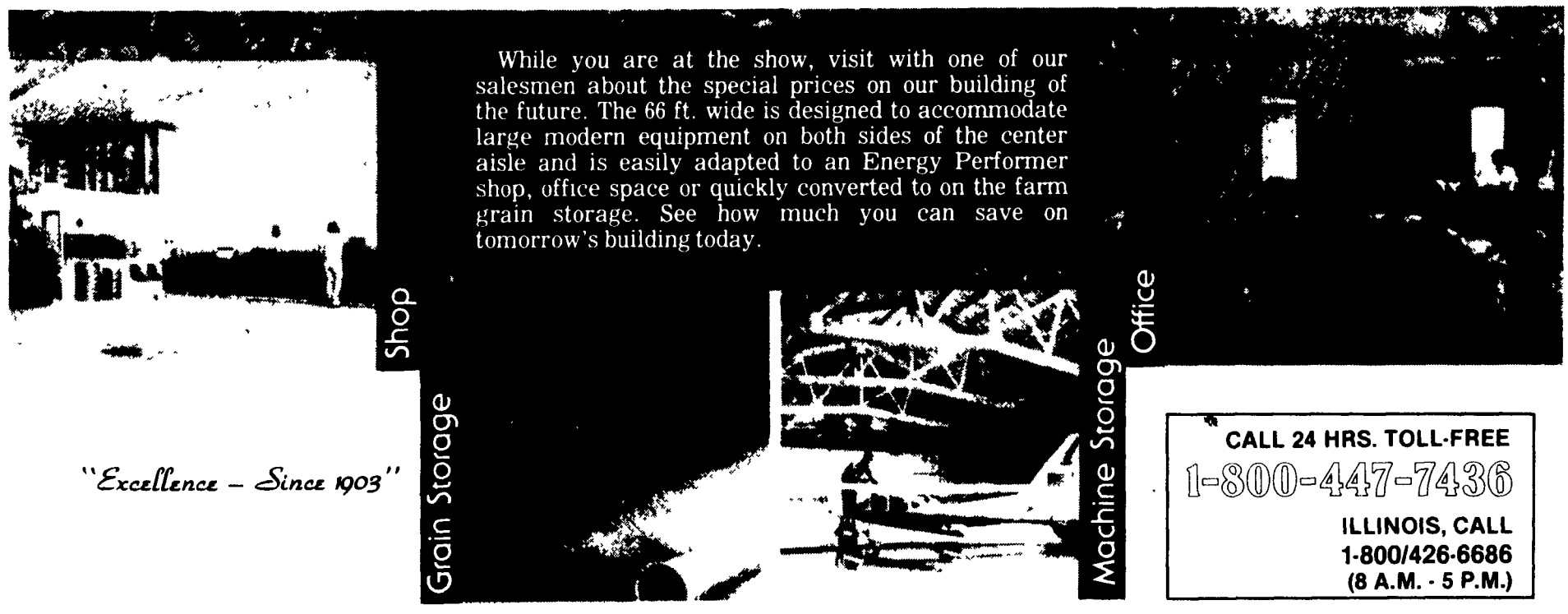


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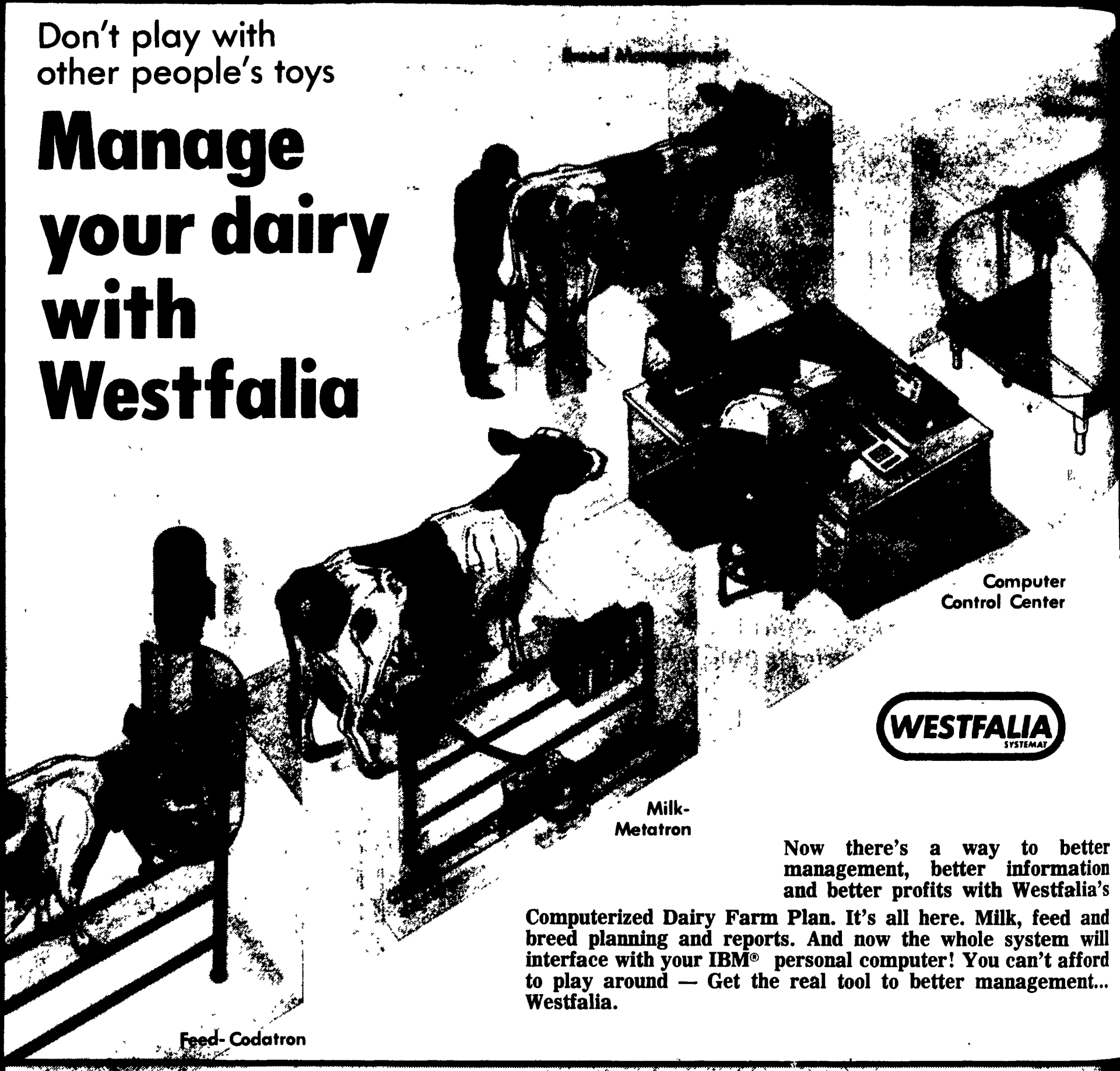

Computer Control Center

Milk-Metatron

Feed- Codatron

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## Come Visit With Us And Our Westfalia Sales Centers

**Feed** Individual cow feed control throughout the day. Automatically provides exception reports to detect cows off feed. Feed can be specially rationed for milk production, body weight and energy needs.

**Milk** Accurately monitors each cow's milk production and automatically notifies operator if cow is off milk after cluster removal. Also, after cow ID is entered, cow side control box automatically signals for observation of cow for heat, do not milk or health code needs. These functions are available when system is connected to Codatron.

**IBM® Interface** Westfalia's Dairy Plan is designed to totally integrate herd, feed, breed, milk and reproduction programs within one software package. Features direct interfacing capabilities with IBM® or 100% compatible machines.

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**Breed** Cow calendar for each cow to signal operator to check for heat, breed, pregnancy check and automatic warm up prior to calving. Also provides calving interval reports.

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28' trusses built w/2x6's; 8N Ford rubber tire tractor wheels, front and rear. Lanc. Co. 717-354-9496

NI 323 corn picker, very good condition, $2,500. Bucks Co., Chalfont, Pa. 215-822-9696

IH 46 baler (2), com'cl upright refrig, misc. farm equip., discs, plows, AC B tractor/mower. Bucks. 215-968-4457 evenings.

Black ewes, RomneyX, CorriedaleX. Moving Sale. Black rams RomneyX and purebred Corriedale, 2 white CorriedaleX. Beautiful fleeces. Berks. 215-367-9388

K-jal windows, 20"x35", $15.00; 44"x80", $18.00; Locust posts, $1.70, sawed $3.90; 3'x5' roofing sheets, $3.45. Ephrata, Pa. 215-445-6885

35 ton dry ear corn, $77. per ton. Sch. Co. 717-345-4489

Love seat, Eastlake, Walnut, Pierced fan Motif central section, Circa 1870-90, $400. Colora, Cecil Co., MD. 301-658-3767

3 yr. old Morgan horse, broke, ready to go. Amos L. Beiler, 170 Loop Rd., Quarryville, Pa. 17566. Lanc. Co.

S. Oliver 77 w/loader, Liliston 90" mower w/ hyd. cylinder, 16' farm wagon, 10' Int. disc. Will price separately. Harford Co. 301-838-4391

290 acres stock grain farm, excellent soil, must sell. Louisa Co., VA. Rt. 1, Box 1890, Bumpass, VA. 23024.

Rear tires, rims off 1520 JD; Oliver 66 for parts. Also tires, wheels Int. 350 harvester. Lanc. Co. 717-354-5060

Call ducks, Muscoveys, Peacocks, Ornamental Pheasants, Toulouse Geese, Pigeon nesting boxes; York Co. 717-755-1745

Kitchen sink, 66", double drain, stainless steel sink w/butcher block top, never used. Best Offer. Lanc. Co. 717-665-7068

Big, safe, sound, 4 yr. old carriage horse, anyone can drive, $700. Also pair of sorrells w/light colored mane & tail, Belgium work horses, full sisters, 8 yr. old. 717-966-2434

2,500 lb. platform scale, $1,200.; 4' aluminum brake, $350.; 30" wood lathe w/3 phase, $400.; 100 h.p. 3 phase motor, $800. Dauphin Co. 717-286-5306

NH 718 harvester, 12 knives, in excellent condition w/2 row corn head, $2,000. Cumberland Co. 717-532-3989

Semen Valiant, $180.; Tony, $32.; Simon, $22.; Jason, $16. Franklin Co. 717-532-4520

N8 Ford engine, rebuilt, new rubber, new paint, like new. Schuylkill Co. 717-385-3055 evenings.

6,000 tobacco lath, Best Offer. Also 5 pig heating pads, $35. each. Lanc. Co. 717-733-1032

10 feeder pigs, 25 lb. Lancaster Co. 717-653-4288

MF combine, 510 hydro diesel, AC 2 heads, $8,500. Will accept reasonable offer. Lanc. Co. 717-548-2587

2 yr. old Very Son; Hypro roller pump. Daniel K King, Jr., 1543-A Valley Rd., Quarryville, Pa. 17566.

16" South Bend Terret Lathe, $1,250. Dick Vincent, Gap, Pa., Lanc. Co. 717-442-4203

Parts from older type Fox SPF forage harvester, wide row corn head, grass head, everything but engine, very good tread, 16.9x28 tires. Northumberland Co. 717-758-2136

Model 50 bale thrower w/engine, PTO shaft w/slip clutch, rubber tire picker wheel, like new. Best Offer. Amos K. King, R.D.1, Manheim, Pa. 17545.

190 BX 400 brown egg layer pullets, vac., debeaked, $3.20 each. Lanc. Co. 717-626-4353

JD forage wagon, 216 heavy duty, good condition. Also 20x27 grain high moisture harvester structure. Lanc. Co. 215-445-6453

Registered Holstein heifers, due now till Oct., Sired by plus proven bulls and bred AI, Dams to 28,000. Sch. Co. 717-386-2760

3 overhead door shelters, Pasquali 24 h.p., 4WD tractor w/loader, 3 ph, PTO, 14' trailer type field cultivator. York. 717-927-6564

Rye seed, cleaned, $4.50 bu.; 3 yr. old Red & White Holstein bull, $600.; Pony cart, $10. Lanc. Co. 717-687-6321

Dodge Dart 77, new automatic trans., motor needs work, $250.; Harford Co. 301-692-5065 after 5 p.m.

7 yr. old standardbred carriage horse, traffic safe & sound, $500. Jacob Beiler, R.D.1, Box 319, Kirkwood, Pa. 17536.

Young boilers, live or dress, nice size for bar-b-que. Enos K. Miller, 178E White Oak Rd., Paradise, Pa. 17562.

1981 Buddy 14x70, 3 bedroom, 1½ bath, fireplace, CA, appliances, shed. May stay in Gap park. $11,000. 717-354-5787

Tractor, 28 h.p. Leyland, gas, 3 pt., turf tires, 1975, $3,850.; Also Utility trailer, 4'x7', $175. Balto. Co. 301-357-5837

Grade Red Holstein Bull, Sire 15H276 (Magnet), not to big for heifers. $450. Cecil Co. 301-378-2451

1952 DC Case tractor, $400. Franklin Co. 717-263-4391

67 Int. w/hi ranger insulated 2 man bucket, 45' reach, and air compressor, 22,000 miles. $4,750. Frederick Co. 301-293-2577

JD 440 crawler loader, bucket & manure prongs, good working condition, $1,975. Fayette Co. 412-329-4571

Smidley 12 hole, 8 hole feeders; 2 roofs for 12 hole feeders; Midwest folddown cattle racks for 14' body. Lehigh Co. 215-767-7140

Corriedale ram lamb, 6 mo. old, will improve your wool production, $75. Sadler, R.D.2, Box 291, Stevens, Pa. 17578. Lanc. Co. 215-267-5860

100 bu. rye seed, not cleaned. Lanc. Co. Barry Campbell, Box 3M, Pequea, PA 17603. 717-284-4913.

Fire wood all hard wood, not split. Haul your own. $40 cord. Chest Freezer, 22½ cu. ft. Adams Co. 717-334-3293.

40 tons ear corn, $70/ton, at barn; NH silo blower, $50.; 3 spd. Chevy trans., $40.; 1976 Corvette, auto., AM-FM, electric rear windows, rear defogger and air cond.; 4 Western spoke whls., 10 wide to fit Dodge 4x4, $80. Sch. Co., Pa. 717-739-4636

Toy Farmall M tractors, 1/16 scale, nicely detailed, First edition, $35. plus handling. Lanc. Co. 717-872-5144

72-12x60 Peerless 2 bdrm, lvgrm, kitch w/34' cab, elect. hookup, oil tank, incl. $4,500. Best Offer. Very good condition. Schuylkill Co. 717-386-5817

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McCormick disk, needs some repairs, $25. David R. Glick, Box 224, Bird-In-Hand, Pa. 17505. Along Stormstown Rd., Lanc. Co.

15KW PTO standby generator, $675.; JD PTO corn sheller, $100. Lanc. Co. 717-354-9370


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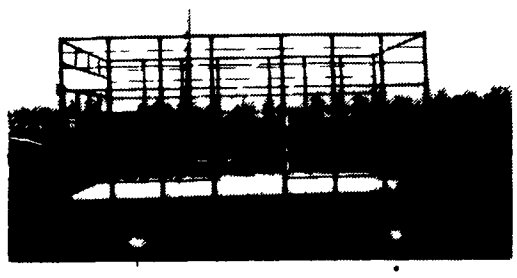

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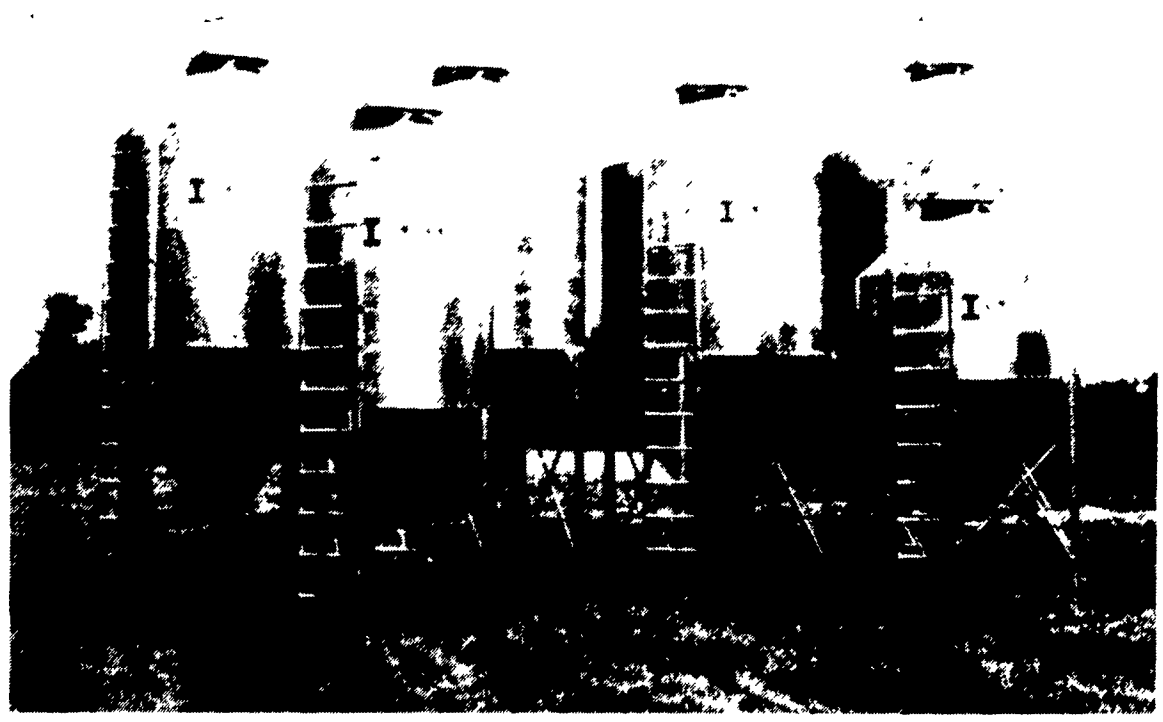

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1974 L700 Ford spreader truck, dry fert. & lime. Hydraulic driven, new leader body. Good rubber, ready to spread. Augusta Cty., VA. 703-337-2455.

Stone home 2 fireplaces 5/BR, LR, DR, den, kitchen, 1½ baths, 2 car garage, 1+ acrese. Lower Swatara Twp., Dauphin. $119,000. Paul Wert, 717-469-0626.

Complete kitchen with Ho-Mart metal cabinets, good condition, $400. Lanc. Co. 717-653-4479.

Farmall 450 rebuilt, new paint, TA, live power. Good 311 plows. K-C&S special 2 heads, excel. cond. Lanc. Co. 717-872-6819.

59 Reo 14' dump, 26,000 gross motor has new piston and sleves set, $2,200; also 69 GMC, 26,000 dump. 717-653-9580. Mt. Joy.

Dunham cultipacker, reconditioned; 50 disk harrow; grass mower. Lanc. Co. 717-665-5683.

IH 230 fast hitch, hyd. sickle bar & cultivators. Chester Co. Harvey Journey, 215-869-2509.

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JD Van Brunx grain drill, fertilizer, grass seed, excellent condition, $250. or Best Offer. Lanc. Co. 717-653-9662 or 717-653-4149

Ford 9N tractor w/belly mount sickle bar and chains, runs great, $2,200. Chester Co. 215-942-3883

Rye, small seed, bagged, $3.50/bu. Sidney Martin, Lanc. Co. 717-354-7869

Farmall Cub tractor, good condition w/front-rear cultivator, snow plow, flail 3 pt. mower, 3 pt. hitch, standard PTO shaft. 717-733-7644

Wisconsin 2 cylinder baler engine w/mounts and shields. Lanc. Co. 717-656-9734

4 yr. old standardbred gelding, not broke, black, 16 hands. Berks Co. 215-944-0329

2840 JD tractor w/high-low, dual remotes and 18.4x38 tires, very nice, $8,500. Bucks Co. 215-249-9136

Power adjusting rear wheels for Farmall 560, liquid filled tires, med. tread, 15-5x38 tires, $250. each. Aaron King, 54 McCovry Rd., Nottingham, Pa. 19362.

1977 MF 1105, cab, air, duals, 1,800 hrs. or trade for skid loader and trailer. Burl. Co. 609-983-3725 or 609-983-3795

1972 Honda motorcycle, 8,862 actual miles, $400.; Also honey, this year's crop, $9.00 per gallon. Chester Co. 215-932-2039

JD L ground driven manure spreader, excellent condition, $650.; NI flat bed wagon, $350. Lycoming. 717-433-4524 after 6 p.m.

Fox 2000 harvester w/2 row wide corn head & hay pickup, electric controls, field ready. Lycoming Co. 717-435-0260

12" and 18" Papec silage cutter pulleys. Chester Co. John Fisher, R.D.3, Box 32, Honey Brook, Pa. 19344.

Ford tractor/backhoe diesel, mechanics special $3,000.; Morrison tool boxes, 8', $275.; H-D motorcycle Sturgis, $6,800. Dauphin Co. 717-533-6320

NI forage blower 622 w/hopper magnet, 4 yrs. old, $750. or Best Offer. Mifflin Co. 717-667-2795

Genuine NH spreader chain for 512, 514, $195.; 3 Sta-rite 65 lb. weigh jars w/brackets, $125. each. Wayne Co. 717-253-0296 at 7 a.m.

Used 18' P&D silo unloader w/some new parts, $450. Snyder Co. 717-837-3446

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Plow 3 pth, 1 bottom 16" Ferguson, $200. Firm. Warren, NJ. 201-475-5901 after 8 p.m.

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2 bred Jersey heifers, $300.; (1) Jersey cow, $400.; 1 and 1½ 3 ph electric motors, $5.00 or Give Offer. Cumb. Co. 717-532-3885

Beams, barn flooring, slate, bricks, limestone, barn siding, barn doors, hinges, old house trim, windows, more. Restoration woods. Adams Co. 717-528-8831

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Black & tan Coon Hound pups, 8 wks., mother has papers. Reasonable. Montg. Co. 215-754-7306

Farmall Cub w/cultivators; Farmall M; Implements for Cub, Super A; Manure spreader; Grain drill; Wagon gear; Cultivators; 2 (14) plow. Salem. 609-358-8625

Rye Seed, cleaned, $4.00 per bu.; 8 h.p. Bulldog gasoline engine, restored, $950.; 1977 Honda Accord, good condition, $600. 717-872-2146 after 6 p.m.

Rambouillet Ram, Reasonable Price, Proven Sire. Chester Co. George Kirk, P.O. Box 103, New London, Pa. 19360.

Ford tandem axle dump, '67, 5+3 trans., 477 gas, needs inspected, $3,000. Runs good. Cumb. Co. 717-423-6586

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1972 Buick sedan, $300 or Best Offer. Lanc. Co. 215-445-6357.

Two seated Mennonite carriage with roller bearings and hydraulic brakes. 8HP rear tine tiller like new. Lanc. Co. 717-859-2797.

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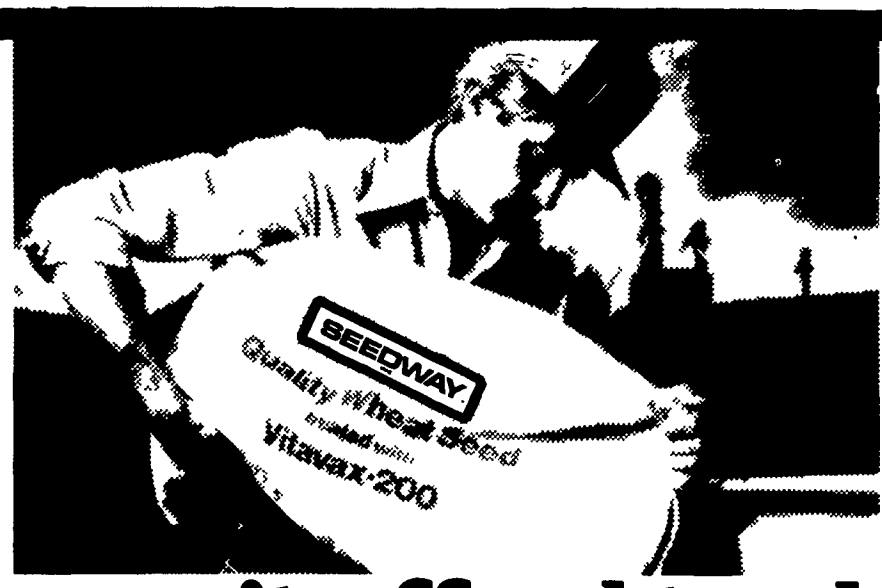
10'x47' Aermotor windmill. Lanc. Co. After 6PM, 717-354-9320.

1979 Dodge D50 pickup, 4 cyl., 4SP, 69,000 mis., inspected, $995. 717-865-4304.

'69 Ford Galaxie 500 with 302 engine. Car is mechanically good and runs well. Inspected to 7-87, $700. Bed. Co. 814-652-2851.

Paint pony mare, 13.1H, 6 yrs., singlefoots, excellent for child. Can carry small adult. Very quiet. Delivery possible. $400. Adams. 717-359-5281.

GT PTO grain dryer, good condition, used approx. 2 yrs., model NO. 370, $3,000. Northampton Co. After 6PM, 215-759-2149.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**Vitavax gets to the heart of the problem. ♥ It gets to the heart of the seed.**

**SEEDWAY VARIETY SELECTION GUIDE**

**BARLEY**

| VARIETY | HEAD TYPE | RELATIVE MATURITY | RELATIVE STRAW STRENGTH |
|---|---|---|---|
| BARSOY | BEARDED | EARLY | VERY GOOD |
| HENRY | SMOOTH | MEDIUM | VERY GOOD |
| MAURY | SMOOTH | MEDIUM | EXCELLENT |
| PENNRAD | SMOOTH | MEDIUM | GOOD |
| POST | BEARDED | MED LATE | VERY GOOD |
| SUSSEX | SMOOTH | MED EARLY | VERY GOOD |

**WHEAT**

| | | | |
|---|---|---|---|
| HART | BEARDED | MED. EARLY | VERY GOOD |
| SCOTTY | SMOOTH | MED EARLY | VERY GOOD |
| TITAN | SMOOTH | LATE | VERY GOOD |
| TYLER | SMOOTH | MED. LATE | VERY GOOD |
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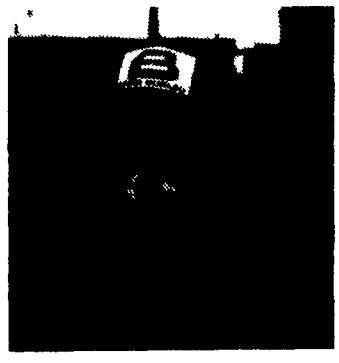
*"After the alfalfa was out there was a two inch regrowth in five days"*



**Gene Moser, Oley, PA**
*Cimarron yield check results, 9 99 ton per acre from a three year stand*

**Cimarron** The high yield, high quality alfalfa.

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FOR SALE

Beagle pups, bluetick, 4 month male, $100., 9 week female, $100., male $75., 8 week male, $75. Carroll Co. 301-795-4169

MF 260 forage harvester, both heads, good working order, new knives, electric controls, $1,500. Hershey Bare, Lebanon Co. 717-272-9783

4 Grade Holstein Heifers, due in 4-6 weeks, $725. Schuylkill Co. 717-277-6891

78 Subaru S/W, 4WD, high mileage, good tires, fair condition. As Is $500. or Best Offer. Lanc. Co. 717-664-2308 evenings.

Tobacco Lath, $11.00 per hundred, Delivered Lanc. Co 717-626-5995

5 wood barn beams, oak, 6"x6"x28'. Best Offer So. York Co. 717-993-6116

Case baler, model 200, for parts, minus needles, knotter, clutch, $125. Lyco. Co. 717-435-2155

Meyers 6" stroke working head w/motor, replaces wind wheels for pumping water, excellent condition, $100. Montg. Co. 215-754-7593

(3) Holstein heifers, vacc. & bred, 2-8 months, 1-5 months. Also (2) Feeder Heifers and 2 Jersey Feeder Bulls. Berk. 215-367-8053 after 5:30

Pennrad Barley, certified last year; Grove side unloading chute for forage wagon; 1st cutting alfalfa. Berks Co. 215-367-7256

JD 3020G, NF, field ready Northumberland Co. 717-649-5695

Double pony harness hames collars, $250; English saddle, $45.; Like new chrome pony Roadster cart, covers jacket & cap. Lebanon, Pa. 717-272-6819

Open carriage w/slider, $900.; Spring wagon, new gear, hyd. brakes, $1,050.; B&R Buggy Shop, Buch Rd., Box 58, Quarryville, Pa 17566. Lanc. Co.

2 Sorrel AQHA yearling colts, lots of white; Farm wagon 16" metal sides, good for corn. Lanc. 717-653-5327

Gehl BU85 forage wagon, 1 row 3 pt. Ford corn picker sheller, both good condition. $800. each. OBO. Lanc. Co. 215-267-6886

Metal cutting band saw, 7 cubic ft. chest freezer, 36 volt Jacobs wind generator Lanc. Co. 717-733-0630

2 gas heaters, 30,000 BTU, $125. each. York Co. 717-993-6995

Weathered barn siding; pine boards, 1x12, 16' long, in rough. Lanc. Co. 717-665-5018

JD 2550 w/cab, low hrs., 1982 Ford F700, Eby alm. dump body, 7,000 miles, like new. Mont. Co Call Rick 215-584-5168

12' unloading auger for NH grinder mixer, in good shape and complete, $200. Lanc. Co. 717-354-6519

JD 4020, gas tractor, $6,000.; 1974 Datsun 710, good reliable transportation, $800 215-536-2284

220' Patz barn cleaner, chain 18" clockwise, Tobacco laths. Lanc. Co. 717-354-0159

(500) 5/8 bu. baskets, .50 cents each; Produce bins, $15. each. Lancaster Co 717-354-8933


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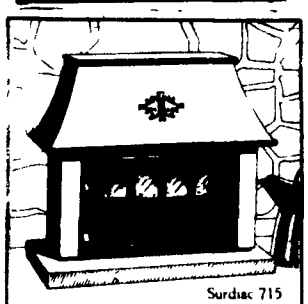

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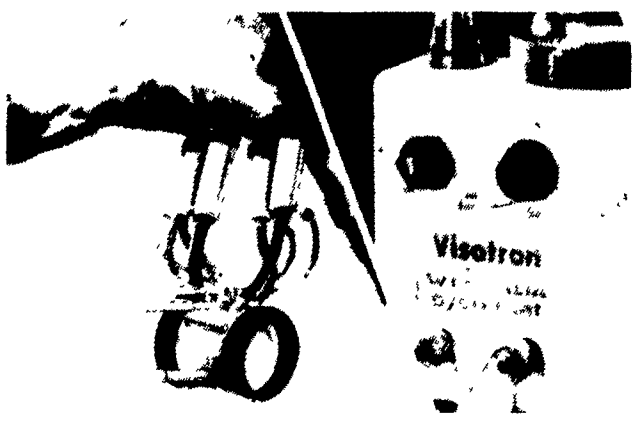


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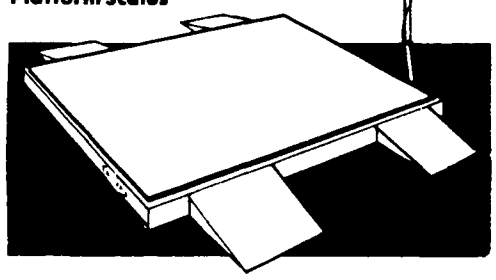

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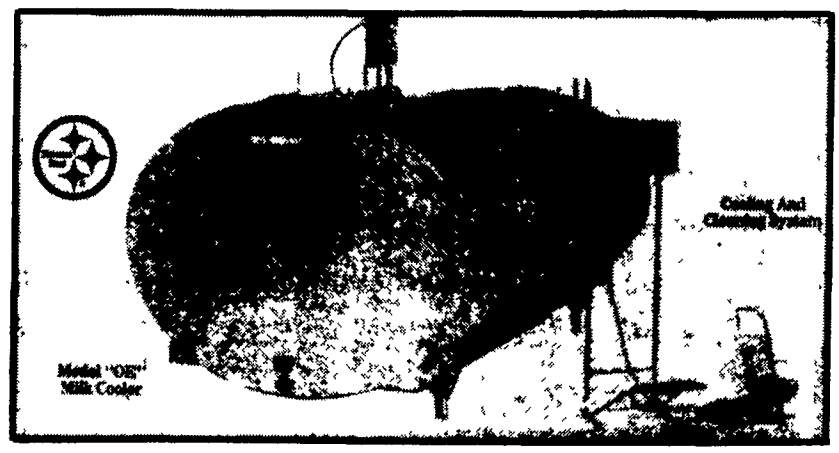

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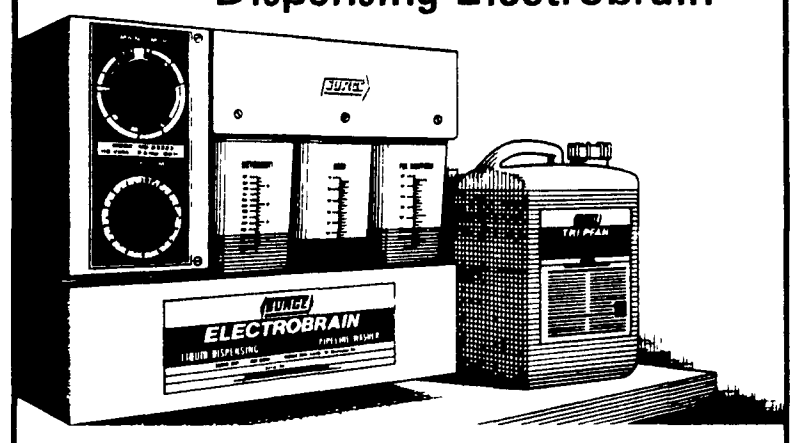


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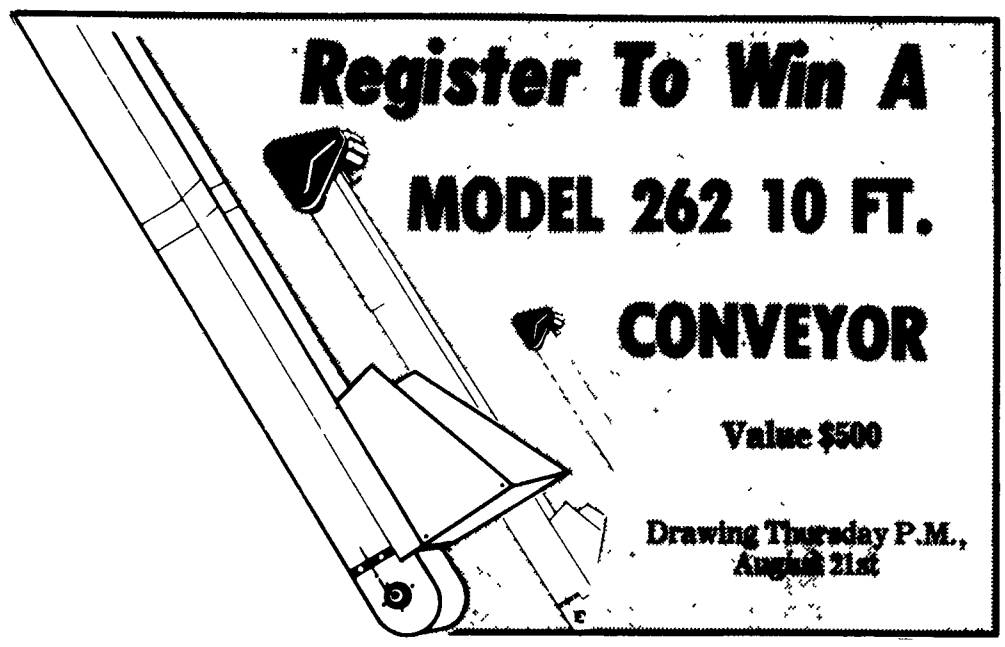


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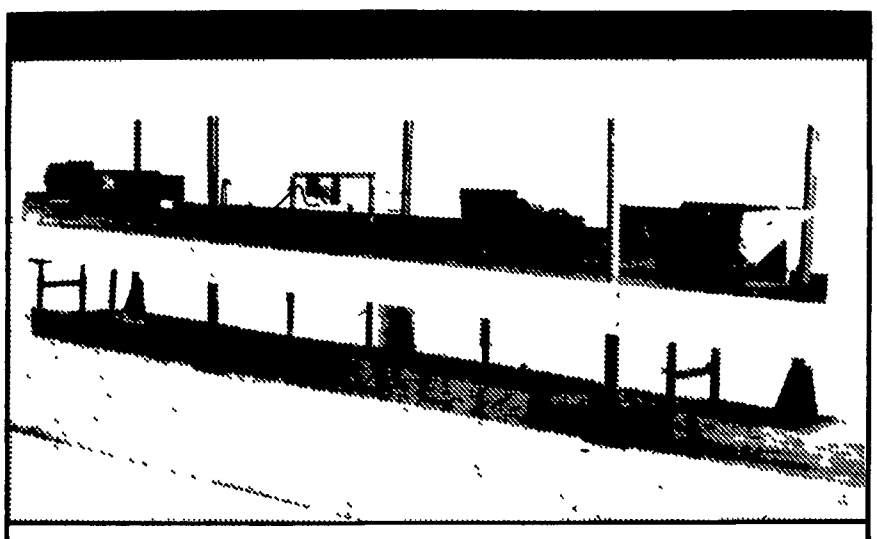

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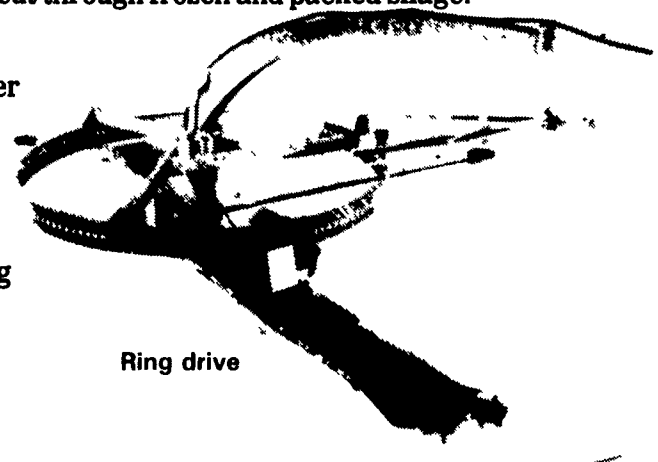
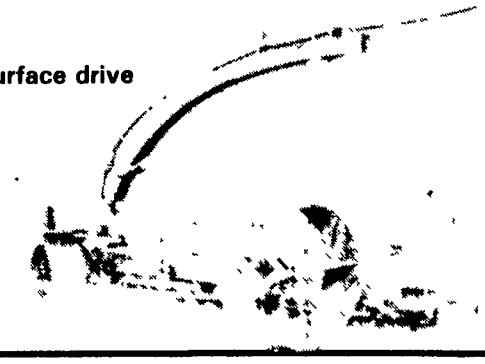

Ring drive


Surface drive

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30 NH reds, 8 weeks, $1.75; fertile eggs, $1.75 a dozen. Honey Brook, Chester. 215-273-2642.

Hay conveyor, NH 90' long, comes in 8' sections, used 2 yrs. Juniata Co. 717-527-2447.

NI 325, 2RN corn picker with Super sheller, excellent condition, $3,500. Mifflin Co. 717-935-2675 eves.

Case sickle bar mower, pull type; small wood-coal stove with pipe. Lanc. Co. 717-786-3935 after 5PM.

LA Case tractor on steel, PTO & belt pulley; Gehl C40 cutter, good shape. Jonas Zook, RD3, Quarryville, PA 17566. Lanc. Co.

5 yr. old standardbred buggy horse trotter, $500. Daniel Smucker, 361 Mt. Sidney Rd., Lancaster, PA 17601. Lanc. Co.

Rye seed for cover crop. Cleaned and bagged, $7 per hundred. Delivery a possibility. Monroe Co. 717-992-6596 eves.

Rye seed or feed cheap, $2.50 bu. 814-695-3293.

Purebred Jersey bulls breeding age. 15 months old, very good bloodlines. Have records on dams. Leb. Co. 717-964-3418.

Gang mower ideal for 3 or 4 wheeler, $295. Lanc. Co. 717-653-9681 eves.

New and used bathroom fixtures incl. sink, tub, vanity, counter top. Also 3" copper pipe. York Co. 717-252-3704.

Surge pupeline milking system, complete system includes 625 gal. bulk tank and tank washer. Dauphin Co. 717-944-1692.

Selling corn out of field, very good stalks, have 2 years, no till. 717-626-5152, Lancaster Co.

68 Int'l. 3 ton dump truck, new inspection, new paint, real good condition, good for landscaping business. $3,000 firm. Lancaster Co., 717-627-4900 evenings.

## MAILBOX MARKET WANTED

1,000 bales Alfalfa or Alfalfa/Grass Hay. Cumb. 609-825-4603 or 391-0280

Liquid manure spreader, mounted on truck, at least 3,000 gallon. Must be in good working condition. 717-367-3814

Gas refrigerator; Range poultry feeder; Plassor waterers. 215-267-5012

Side bracket for 2001 loader for IH 504 utility tractor. Adams Co. 717-359-5506

Dairy cow hay, large square bales. Delivered. Ocean City, NJ. 201-363-8471

2 or 3 seated Surrey, any condition. Will Travel. Also Quarter Horse Stud, Palamino or Buckskin. 201-996-6302 or 2440

Soil mixer, 1 or 2 cubic yd. or concrete mixer or total ration mixer. Berks Co. 215-683-3094

Axeman Anderson Coal Stoker and/or parts. Contact Bill Storey, Hickory Corners Rd., Dalmatia, Pa. 17017. Northumberland Co. 717-758-9144

Salt Hay, will pick up. Barony Tree Farms, Box 146, Breezewood, Pa. 15533. 814-735-4660

Good rear tractor tire w/a tube and rim, size 10x24 or 11x24. John P. Connell, 468 Rose Hill, West Grove, Pa. 19390. Chester Co.

Liquid manure spreader, mounted on truck, at least 3,000 gallon, must be in good condition 717-367-3814

Used Weaverline silage cart, in good condition, prefer 20 bushel model. Jefferson Co 814-328-2544 after 9 p.m.

Horse dryer for dumping station, belt pulley gear box for Farmall M. Lanc. Co. 717-354-8370

Young male looking for work w/conservation or forestry. Luzerne Co. 717-333-4656. Keith Harvey, R.D.3, Box 121A, Wyoming, Pa. 18644.

Cylinder for NI horn manure loader or will consider buying the same type of loader. York Co. 717-229-2683.

3 or 4" screen for 600 Gehl harvester. Lanc. Co. 215-484-4513.

12" or 14" thickness sander or planner that can be converted to thickness sander home mader new. Leb. 215-589-4773

Jamesway litter carrier track switch. Franklin Co 717-532-3989.

High pressure steam boiler, horizontal locomotive style, approx. 22" barrel diameter. Centre Co. Rt. Markle, 1841 Pine Hall Drive, State College, PA 16801.

JD 2520 (W) side console and power shift. Lanc. Co 215-445-5090.

Looking for 20 to 30 acres of land to rent in Hamburg area. Berks Co. 215-562-7749.

1972 Chev. blazer parts. Both doors, rear hatch, drivers seat, 6 lug wagon wheels. York Co. After 5PM, 717-252-1008.

Old butter molds or prints. Also old stoneware crocks used for salt or butter Mary Davis, 2318 Cross Section Rd., Westminster, MD. 21157 Carroll Co.

Crossbred, 17+ hands, 7-10 years, able to drive commercially. Will be in New Holland area, August 25-29. Arty Nichols. 718-897-8170

Round corn crib, in good condition. Lanc. Co. 215-445-7132

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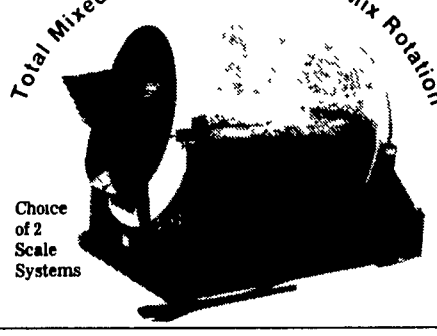

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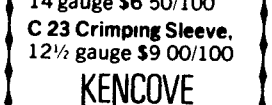

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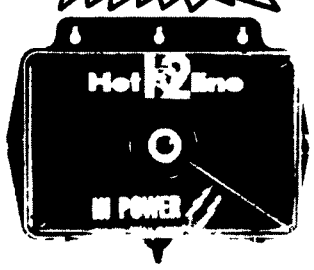

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# MAILBOX MARKET AD FORM

Only ads submitted on this official form will be published in our mailbox markets.

Please NO PHONE CALLS

(Attach Your Mailing Label Here)

Check One:

For Sale _____ Notice _____ Wanted _____

| | | | |
|---|---|---|---|
| 1 | 2 | 3 | 4 |
| 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 |
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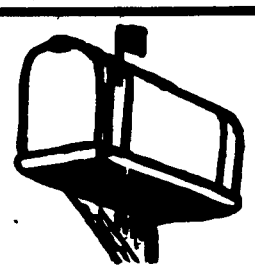


## FREE

Subscribers to Lancaster Farming will receive one advertisement FREE each month in our Mail Box Market. Subscribers using the Mail Box Market **MUST** use this form with mailing label attached and will be governed by the following rules:

Limit your advertisement to 20 words; area code must be added to phone number and, due to repeated requests, please include your county for buyer and seller convenience, all advertisements must be mailed to the office by Monday or same will be held over for next week's paper; no business ads accepted.

Include your Lancaster Farming mailing label and mail to:

Mail Box Market
Lancaster Farming
P.O. Box 366
Lititz, PA 17543
No Phone Calls Please

MAILBOX MARKET
WANTED

Forage wagon in exc. cond. Lanc. Co. 215-445-6142.

3 pt. wood saw, PTO drive, not belt drive. Send price to Carl Kulp, R4, Portersmill Rd., Pottstown, PA 19464.

Int. Farmall H. Must have power steering, 2 way hyd. knipper. 6450 Spring Crk. Rd., Macungie, PA 18062. 215-395-2349.

IH side mount balance head mower for parts. Need not be complete. Mounting parts and frame needed. Will travel. 717-924-3847.

NH 824 or 770 narrow row corn head, in good condition. Can trade w/770 wide row. Lanc. Co. 717-664-2278

Saw Table, blade, 3 pt. hitch, PTO driven, for cutting cordwood to stove lengths. Near Hagerstown. 301-432-8870. Calls returned.

40 used chart guards w/2" brackets. Cumb. Co. 717-776-7058

Harman wood and coal stove, models 150-250 or 350 Reasonable Priced. Perry Co. 717-834-3882.

3 bottom 14" category 10R2, 3 pt. hitch plow. Prefer IH. No light weights. N.W. Berks. 717-933-5232

MAILBOX MARKET
NOTICE

Two AC combines. One for parts, other running cond. Kept inside. Layton, NJ, Sussex Co. 201-948-5781.

Look! I buy old penny banks, tin/metal mechanical toys, games. Anything old! Box 5301, Lanc., PA 17601. 717-560-0639 eves.

# Sale Reports

A Public Auction of a valuable 110 acre farm was held August 9 for the David M. Stauffer Estate, 520 Stauffer Rd., next to the Lancaster Airport, off Route 501 in Lancaster Co., Pa. There were people from at least 8 states attending the auction.

The 110 acre farm and orchard in Warwick and Manheim Townships was sold for a price averaging nearly $11,000 per acre. A total of $1,190,000 was paid by 3 bidders for the four parcels.

M.H. Zeigler & Sons, Inc., a Lansdale apple cider and apple juice firm bought 2 parcels totaling approximately 50.8 acres for $450,000.

A 27.7 acre parcel was sold to a real estate developer, E.E. "Manny" Murray, for $415,000.

Howard W. Martin, who is associated with a neighboring fruit farm owner, bought a parcel of 27.7 acres for $325,000.

Prices of equipment were: orchard sprayer $12,900, apple filtering unit $2500, apple bottling machine $1550, hydraulic fruit-picking ladders $2100, $2700 & $3000, Caterpillar crawler $2600 and M.F. D tractor $3700.

Other items included: Winchester rifle $600, Henry Leaman rifle $450 and early arched corner cupboard $950.

The auctioneer was Jay M. Witman of J. Omar Landis Auction Service.

XXX

A Public Auction of farm equipment was held August 9 by Larry E. and Carol J. Fry, 2 miles west of Beaver Springs, Snyder Co., Pa.

Some prices were: J.D. 4320 tractor $8900, J.D. 3020 tractor $4050, J.D. 720 tractor $2375, J.D. B tractor $950, Smoker elevator $200, forage wagons $1800 each, manure pump $2600, N.I. 2-row corn picker $3200, Calument #3250 spreader $3550, J.D. forage harvester $7200, J.D. #336 baler $2550, Gehl grinder-mixer $1900, Ford pickup (off the road) $300 and barn fan $250.

Sanford G. Leaman Auction Service conducted the sale.

XXX

A Public Auction of household goods and blacksmith shop tools was held August 9 by Mrs. Harry Stambaugh (P.O.A. Joyce Gettys) 1 mile west of Thomasville Air Port on Rt. 30 on Bigmount Rd., York Co., Pa. A good sized crowd attended the sale.

Some prices included: Lincoln welder $150, anvil $140, acetylene torch $250, power hack saw $90, 36' double ladder $110, Lincoln electric welder $125, maple table & 6 chairs $525, 2 hutches $375 & $300, 1968 Cadillac sedan $600 and Toro snow blower $250.

Blaine N. Rentzel was the auctioneer.

XXX

A Public Auction of Oriental rugs and household goods was held August 9 for the William A. Reiter Estate, 1 mile south of I-80 on Route 115. There were 97 registered bidders at the sale.

Some prices were: Persian rug 15' x 18' $6000, large German Cuckoo Clock $1000, RCA console 50" television $1200, Wurlitzer concert organ $1500, leather chairs averaged $250 each, 1967 Willys Jeep $1000 and 4 pineapple poster beds averaged $200 each.

The auctioneers were John Autotore and John Autotore, Jr.

XXX

A Public Sale of real estate, farm equipment and antiques was held August 9 for the estate of Harry W. Zimmerman, Snapper Dam Drive, Vogansville, Lanc. Co., Pa.

The 1 acre property with a 2½ story frame dwelling, concrete block biulding 36 by 28' and a 32 by 45' tobacco shed with a dampening cellar and stripping room was sold for $67,800 to David Z. Martin, R.D. 1, New Holland, Pa.

Other prices received were: 3 carriages $130, $110 & $555, spring wagon $245, 2 sleighs $150 & $250, 3 old wooden wagons $125, $150 and $170.

Auctioneers were Robert E. and Jeffrey R. Martin and Frank L. Steller.

XXX

A Public Sale of antiques and household goods was held August 9 for the estate of Kathryn M. Druckenbrod, 74 E. Main St., Reinholds, Lanc. Co., Pa. There were 300 registered bidders at the sale.

Some prices included: pine dutch cupboard $2000, oak china closet $310, small curio cabinet $290, oak spool cabinet $200, platform rocker $110, child's antique sled $205, pair of paper cuttings $220, balance scales w/brass scoops $210, and pair of watercolor paintings $205.

Auctioneers were T. Glenn and Timothy G. Horst.

XXX

A Public Sale of antiques and walnut lumber was held August 9 by Barbara Ebersol, 1 mile north of Intercourse, Lanc. Co., Pa.

Some prices were: old wall towel w/initials & dates $470, 1859-1900 family record in frame $240, Ebersol Grandmother's clock $850, 1 horse sleigh $310, walnut rocker $220, freezer $175, walnut lumber $.50 to $.65 a board foot, Oliver 3G crawler $2750, 1 horse cultivator $42.50, cherry seeder $15 and Howard roto-tiller $160.

The auctioneers were Steve and Steve, Jr. Petersheim.

XXX

A Public Sale of real estate and antiques was held August 6 for the Blanche Hunsecker Estate, 8 West Main St., Leola, Lancaster Co., Pa.

The 2½ story frame dwelling and a garage was sold for $67,200 to Timothy Garman, 185 W. Main St., Leola, Pa.

Some other prices were: walnut mirrored kas $1100, dining room suite $140, sewing machine $110, mahogany bedroom suite $550, blanket chest $160, mahogany table $130 and gateleg table $210.

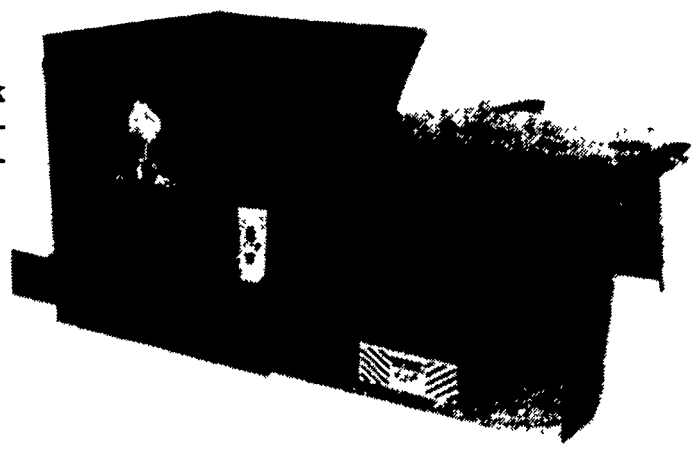
Auctioneers were T. Glenn Horst and Timothy G. Horst.

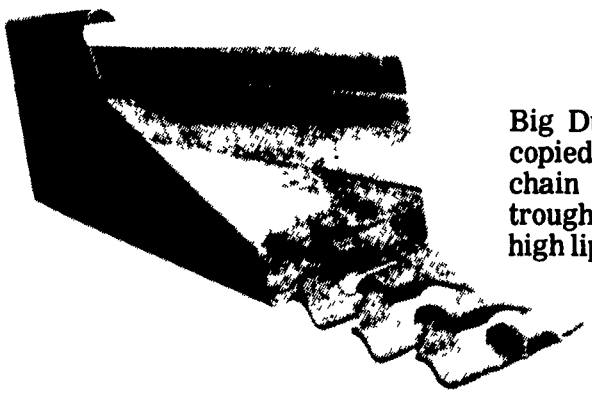
XXX


# BIG DUTCHMAN FEEDING SYSTEMS FOR LAYER AND PULLET CAGES

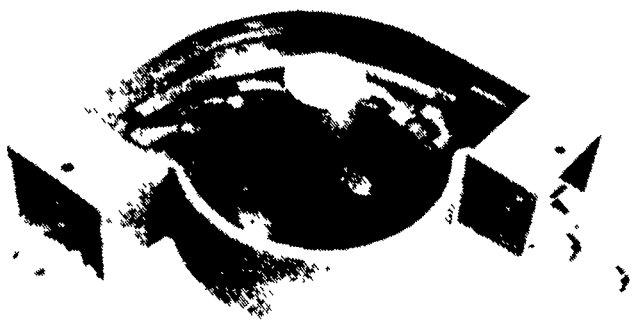
*Built on Thoroughly Proven Designs. No Other Feeder Beats it for Reliability and Performance*

The straight hopper drive unit is easy to work with and simplifies maintenance. The standard hopper is powered by a helical gear-motor drive.





Big Dutchman feeder chain is the original, which is now copied by nearly all poultry equipment companies. The chain literally carries feed in the trough. The Big Lip trough effectively reduces spillage because of the extra high lip and curl.



Corner wheel assembly guides the chain and feed around the turns to make the endless flat chain conveyor possible. The fluted idler wheel and corner rail keep the chain running true.

BIG DUTCHMAN...
*The Proven Concept In Automated Feeding*

Big Dutchman®

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255 PLANE TREE DRIVE
LANCASTER, PA 17603
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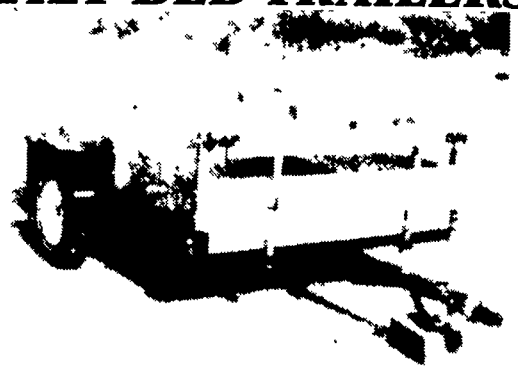
Route 30 West at the Centerville Exit.

Designers of Quality Systems for Poultry, Swine and Grain Handling



# LAMCO
## TILT-BED TRAILERS



**AVAILABLE IN:**
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Snowmobile Trailers Also Available
Ready To Hook On To Your Car

**LAMCO features a full line of high quality, reasonably priced farm and home equipment:**

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| ☐ Forage Boxes | ☐ Pick-Up Racks |
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| ☐ Agromatic | ☐ Benches & Tables |
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For more information on any of these high quality, reasonably priced products - Call us at 315-497-1890 or send this coupon to:

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**PO Box 160, Locke, NY 13092**

Name: _____

Address: _____

_____

Phone: _____

**Visit Our Exhibit During AG PROGRESS DAYS Located On West 6th Street**

# Sale Reports

A Complete Dairy Dispersal was held August 8 for Little Ridge Farm by Edward and Irene Horn at Kling's Sale Barn, 15 miles north of Carlisle, Perry Co., Pa. on Rt. 74.

The average of the 38 registered and grade Holsteins sold was $710. The top animal brought $1275 and there were 4 that brought over $1000.

The sale was managed by Kling's Auction Service.

XXX

A Public Sale of antiques was held August 9 by Margaret E. Linkous for Nellie A. Stewart and the late Clyde Stewart of Fawn Grove, Pa. in the Chanceford Community Building, York County.

Some prices included: antique cleat tractor $230, high chest of drawers $425, antique chest of drawers $975, oak dressers up to $300, oak washstands up to $200, oak beds up to $200, wall telephone & stick-type telephones up to $200, old radios $50 to $200, Aladdin lamp $110 and Rayo lamp $175.

Bob and Tom Sechrist were the auctioneers.

XXX

A Public Sale of farm machinery and antiques was held August 9 by Mr. and Mrs. Robert Thoman, R.D. 3, Box 3317, Spring Grove, Pa. along Smith Station Rd. A large crowd attended the sale.

Some prices were: Int. 544 tractor $2775, Int. #1150 grinder-mixer $1275, Int. #80 combine $960, Int. #130 manure spreader #720, Danco 16' bale wagon w/steel sides $1100, broad axe $45 and 1 horse square back sleigh $300.

C.C. Miller Sons were the auctioneers.

XXX

A Public Auction of a 17.5 acre farm was held on August 5 by Mrs. Amos Z. Hoover and Mary M. Hoover, corner of Diamond Station Rd. and Peach Rd., W. Earl Twp., Lanc. Co., Pa.

The property was sold for $124,500 to the Bible Fellowship Church of Ephrata, Lanc. Co., Pa.

T. Glenn and Timothy G. Horst were the auctioneers.

## Public Auction Register

Closing Date Monday 5 00 P M
of each week s publication

### AUGUST

FRI. & SAT. AUG. 15 & 16 - 6:30PM & 9AM Respectively. Lester Gordon Estate. Guns, Watches, HH, Antiques, Vehicles. Fri. held at Needmore Fire Hall, Needmore, PA. Sat. held at Farm of Lester Gordon, 1 mi. S. of Needmore, PA, along Rt. 655 S. Lyle Reed, Auct.

SAT. AUG. 16 - 9AM Annual Consignment Sale at Little Kutztown Community Fire Co., 1 mi. N. of Myerstown, on Rt. 645. Local Auctioneers. Henry Brubaker, Chairman.

SAT. AUG. 16 - 9AM 18th Annual Community Sale at the Leesport Auction Grounds, Rt. 61 N. of Reading. Farm Eq., HH Goods. By Berks Co. Pomona Grange. 7 Local Aucts.

SAT. AUG. 16 - 9AM Outstanding Antiques, Primitives, Furniture, China & 1929 Model A Ford. Located at Farmersville Fire Hall, along E. Farmersville Rd., Farmersville, Lancaster Co., PA. PA turnpike exit 21, take Rt. 222 or 272 south to Rt. 772 east to Brownstown, turn left onto Main St. to West Farmersville Rd. at bridge, turn right & continue to sale. Terms By S. Laban Harnish. T. Glenn Horst & Son, Aucts.

SAT. AUG. 16 - 9AM Farm Mach., Tools, HH. Check Cord Farm Branin Rd., Medford, NJ. From S. Main St. Medford take Chapel Ave. to Branin Rd. For: S. Wade Absher. Allen Nixon, Auct.

SAT. AUG. 16 - 9 30AM Farm Mach., Antiques, HH. Rt. 2, Jonestown, Union Twp., Lebanon Co., PA. From Jonestown take Rt. 72 N. to 1st road left--AWOL ROAD and proceed approx. 5 mis. to farm on right. For: Jacob M. Swanger. Harry H. Bachman, Auct.

SAT. AUG. 16 - 9:30AM HH Goods, Antiques. 565 Second Lock Rd., Lancaster, PA. Follow Rt. 324 from Lancaster toward New Danville approx. 2 mis. to Bean Rd. Turn right on Bean Rd. to Seocnd Lock Rd. Property on corner of Bean Rd. and Second Lock Rd. By: Jacob G. & Mary W. Hess. J&P Auctions. Paul E Martin & John D. Stauffer, Aucts.

SAT. AUG. 16 - 9:30AM HH, Car, Jeep, Misc. Farm Items. Just off 322 approx. ¾ mi. N. of Clay take Clearview Drive to Hillcrest Manor Estate (Homestead). Lester M. & Bertha Hurst, Owners. Weik & Wolgemuth, Aucts.

SAT. AUG. 16 - 10AM Woodworking Eq. & Tools. 619 Broad St, Montoursville, PA. Robert Winger, Owner. Fraley Auct. Co.

SAT. AUG. 16 - 10AM Flea Market on PA Rt. 24 between Stewartstown and New Park. York Co. Livestock Sales Ltd. Stan & Mary Nagle, Owners.

SAT. AUG. 16 - 10AM Surplus School Items & Eq. Located at the Berks Vo-Tech, West Center, ½ mi. W. off Rt. 183, at the traffic signal, 2½ mi. N. of Reading Airport, Bern Twp., Berks Co. Frey Aucts.

SAT. AUG. 16 - 10AM Furguson 3PTH Farm & Vegetable Machinery, Baskets, Crates Tools, Harness, Antiques. For: Mrs. Margaret Benkendorf Foul Rift Rd., Belvidere, NJ. At Belvidere, turn S. at Pinehurst Farm Market Stand and 1 mi. to Sale. From Rt. 519 S. of Belvidere, turn W. on Foul Rift Rd. at gravel pit sign. Arthur Hanna, Auct.

SAT. AUG. 16 - 10AM Farm Eq., Motorcycles, Cars, Saddle, Tools, Lionel Train Set, HH, Antiques, Dishes. 1 mi. N. off Rt. 895, 3 mis. W. off Rt. 309, 2 mis. S. off Rt. 443, in the Village of Shellhammersville, PA, W. Penn Twp. By: David Tyson. Houser Aucts.

SAT. AUG. 16 - 2PM 7 Acres Woodland and Pines. Located 1 mi. NE of Village of Bowmansville along Oakland Drive in Brecknock Twp., Lanc. Co., PA. Patricia Wise, Executrix for C. Mark Wise Estate. LeRoy S. Horst, Auct.

MON. AUG. 18 - 6PM. Farm Eq. & Related Items. Located in Cumberland Co. near Boiling Springs at Craighead. Owner June K. Otto. Foreman, Auct.

TUES. AUG. 19 - 4PM Masury Tools, Building Supplies, Tools. W. of Davidsburg, PA, York Co., 2nd road turn S. toward Hively Nursery, 2nd place on left. For: Leon Wherly. Blaine N. Rentzel, Auct.

TUES. AUG. 19 - 5PM Antiques, Books, HH, Coins. Located 8 Park St., Reamstown, Lanc. Co., PA. Rt. 272 to Denver-Reamstown traffic light turn S. onto Church St. Terms by: LaVern & Magdalena Zwally. T. Glenn & Timothy G. Horst, Aucts.

TUES. AUG. 19 - 7PM Ag Progress Sale. Centre Hall Fairgrounds, Centre Hall, PA. Sponsered by Centre Conty Holstein Club and PA. Holstein Association. Harry Bachman, Auct.

WED. AUG. 20 - All Day and Night Sale for C.E. Keener & Keener Eq., Inc. Farm Eq. Garage Eq. Rt. 72 & 283 Exits. Wolgemuth & Rentzel Aucts.

WED. AUG. 20 - 10AM Farm Mach., Shop Tools, Misc. Located S. of Hagerstown, MD, on Rt. 65 (Sharpsburg Pike), at the complex of the Maryland Correctional Institution, Hagerstown, MD. Robert C. Mullendore, Auct.

WED. AUG. 20 - 12 Noon Truck Auction. Frystown, PA, At Exit 2 of I-78 at the TTMA Truck Plaza. Ebersole & Shoop, Aucts.

WED. AUG. 20 - 4PM Real Estate, HH, Toys. Voganville, Earl Twp., Lanc. Co., PA. Rt. 322 E. of Ephrata S. onto Grist Mill Rd., 3 mis. to the third crossroad Wissler Road. Turn left. Terms by: Helen M. Trego. T. Glenn & Timothy G. Horst, Aucts.

WED. AUG. 20 - 6PM Selling Approx. 60 Boars. Pennsylvania Department of Agriculture's Meat Animal Evaluation Center, 651 Fox Hollow Rd., State College, PA. Glenn Eberly 814-238-2527.

THURS. AUG. 21 - 9AM Complete Equip Liquidation of Construction & Concrete Eq., Concrete Forms, Trucks, Trailers, Contractors & Shop Tools. For: John B Pike & Son, Rochester, New York. Vilsmeier Auct Co., Inc.

THURS. AUG. 21 - 9:30AM Grain & Feed Eq., Trucks & Buildings Naaman & Ann Eberly, Paradise, PA. Steve & Steve Jr. Petersheim, Aucts.

THURS. AUG. 21 - 9:30AM HH, Butcher Furnace, Wooden Sled, Buck Saw, etc. Estate of Dr. Eleanor Hallman. 2 mis. E. of Abbottstown, along Rt. 30 at Little Red School House. Blaine N Rentzel, Auct.

THURS. AUG. 21 - Complete Eq. Liquidation of Construction & Concrete Eq., Concrete Forms, Trucks, Trailers, Contractors & Shop Tools For: John B. Pike & Son, Rochester, NY. Vilsmeier Auct. Co., Inc.

THURS. AUG. 21 - 10AM Farm & Hoghouse Eq Berks Co., PA. From Rt 897 in Blainsport take Texter Mt. Rd. to top of mountain. Turn right onto Five Points Rd. Farm on Corner. From square of Newmanstown take S Sheridan Rd. to Newmanstown Rd. Follow to Texter Mt. Rd. and then to Five Points Rd. Terms by: Carl & Noreen Sensenig. Sensenig Aucts.


**Vigortone Ag Products**
**invites you to visit with us at Pa Ag Progress Show on West 11th Street**

*Ask Us About Our*

* Production Line Dairy Feeding Program & Products
* Performance Line Cow-Calf Feeding Program & Products
* Finishline Beef Feeding Program & Products
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* Ovotone Sheep Feeding Program & Products
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**PUBLIC AUCTION**

WASSIL'S GARAGE & TRUCKING EQUIP.
Mack Tow Truck, Antique Cars & Wooden Wheel Hand Push Fire Cart, Tools - Truck Parts & Acc.
SAT., AUGUST 23, 1986
9 A.M.

Located 9 mi. N. of Tamaqua, 3 mi., S. of Hazleton, along Rt. 309.

TRUCK & CARS

Mack B 61 Thermadyne Diesel Tow Truck w. Nussbaum Wrecker, 1937 Chev. 4 dr. sedan, 1941 Cadillac Coupe, 1952 DeSota 2 dr. (mint), 1949 2 dr. Chev., 1957 Ford Ranchero, etc.

GARAGE EQUIP, ACC.

Harneschfeger 300 Amp comm. Welder w. 4 cyl. engine (500 hrs.), Acetylene burning unit-buggy & tanks, Wilson 10T. variable spd. drill press, ½" elec. drill press, Craftsman dbl. bench grinder, 6" comm. bench vises, anvil, 2 wheel grease outfits w. 120 lb. Pales air & hand pump, Delta radial arm saw, 1" elec. Impact wrenches, port. paint tank & compressor, Cummins air compressor (new), bean dollies, trailer dolly wheels, metal tool cabinets bins & work table, Wisconsin 4 cyl. engines, skid tank, front Rototiller, hand truck, step ladder, hyd.-safety & R.R. jacks, 2-10T. fl. jacks, acetylene gauges-welding cable, angle iron, etc.

ACC.

Saddle-step & barrel truck tanks, Diesel mufflers- pipe- extensions- 4&5" exhaust flexible & straight shields, mud flaps, V belts, mirrors, hose, hyd. pistons & steering pumps, brake drums- shoes- lining- clutches & spacers, tires & tubes, 20" rims, air & oil filters, pressure hose, asst. wheel & brake parts- lugs- studs- seals, air & line fittings, muffler clamps, wet line hook-ups, clearance lights, wheel seal drivers, drum & port. oil pumps, etc.

TOOLS

1 & ¾" Socket sets, 18 & 24" adj. wrenches, open mouth box-wheel & air muffler wrenches, comm. lug wrenches, come alongs, pullers, chain binders, heavy chains, clevis, hooks, grease guns, C clamps, adj. reamers-threaders, stocking, hammers, sledges, chisels, picks, bars, files, cases of glass, bolts, nuts, tool boxes, elec. drills, pipe fittings- wrenches- cutters- threaders, etc.

TERMS: Cash- Certified or Bank Letter of Credit.

LARGE SALE
By
WASSIL'S TRUCKING

HOUSER AUCTS: AU-000455L
717-386-5631 or 2191
215-799-2396



**FARMERSVILLE AUCTION**
TUESDAY, AUGUST 19
4:00 P.M.

In Farmersville, 3 mi. east of Brownstown, Lanc. Co., Pa.
General Household Goods Sale.
WE SELL ON COMMISSION

Call JOHN J. RUTT
(717) 354-5095

Auctioneer: Lester Weaver
AU-982-L

Consignments being accepted for our Labor Day Antique Sale.



**PUBLIC AUCTION**

LOCATED: 7 miles East of Frederick, MD on I 270 to Urbana Exit, right on Rt. 80, 8/10 of a mile to Rhoderick Rd., left to 1st farm on right.

MONDAY, AUGUST 25, 1986
11 A.M.

FOUR TRACTORS & MACHINERY

Int. turbo 1206 diesel tractor, W.F., P.S., wind break cabin; Int. 560 gas tractor, N.F., fast hitch; Int. 460 diesel tractor, N.F., P.S., fast hitch, offered separately & together w/Int. 2000 loader; Int. Super H tractor; Int. 700 6/16 auto. reset plow; Minn. Moline transport disc; Glenco transport chisel harrow; Double cultipacker; W.H. 469 haybine; NH 56 side rake; NH 67 baler w/thrower, for parts; NH 36' elevator; 3 wagons w/hay sides; NH 13/7 disc grain drill; Int. 400 cyclone 4 row corn planter; Int. 650 forage harvester w/2 row corn head; Pickup head for same; NH 33 flail chopper; (2) Int. 110 silage wagons; NH blower & pipe; Schuller 125 bu. silage cart; NI 202 & NI 213 manure spreaders; Woods C-180 mower; Int. fast-hitch scraper blade.

DAIRY EQUIPMENT

Majonner 300 gal. bulk milk tank; DeLaval vacuum pump; (4) DeLaval units & some pipeline.

NOTE: Very few small items/some machinery in need of repair.

TERMS: Cash--Not responsible for accidents

Owners:
MR. & MRS. PAUL W. DRONEBURG
301-874-5363

Auctioneer: Robert C. Mullendore
Clerk: C.L. Metz

Lunch Rights Reserved

# PUBLIC AUCTION

## FRIDAY, AUGUST 22, 1986

9:00 AM

***PARTIAL LISTING*** ***PARTIAL LISTING***

## ANTIQUES- ANTIQUE FURNITURE- TOOLS TRACTORS AND OLD STUFF

**LOCATED: Rentzel's Auction Barn - 1 Mile North of Manchester, PA off Rt. 181.**

Fordsen On Steel 3 HP Gray Gas Engine, 2-F20 Farmall Tractors, J.D. Hillside Hitch, J.D. Steel Wheel Rake, Stove Wagon With Hay And Corn Side, Black Hawk Seeder, Ice Tongues, Frog Spears, Pulleys, Pony Harness, Wood Clamps, Cultivator Wheels, Seeder With Bag, Hog Catcher, Animal Traps, Blow Torches, Oil Cans, Irons, Horseshoes, Old Vintage Clothing, Tea Kettle, Brass Lantern, China Cupboard, Oval Table, Bread Box, Brass Hat and Coat Hangers, Organ Top, Dresser Mirror, Edison Phonograph, Victorian Stand, Ice Breaker, Ice Picks, 1878 Exposition Reverse Painting, Ink Well, Brass Endirons, Banjo Clock, Telephones, Iron Kettles, Hoosier Cabinet, Picture Frames, Copper Pitcher, Candle Holders, Postcards, Wooden Wheels, And A Bus Converted Into A Camper.

**This Is A Partial List. There Are Many More Items Not Mentioned.**

**Terms: Cash Or Good Check**

**This is a consignment sale. We will accept items all week. Friday by prior agreement only.**

**SOUTH CENTRAL PENN HISTORIC LIFESTYLE AND POWER SOCIETY**
Box 668, Mt. Wolf, Pa. 17347
Please Phone (717) 266-4884
266-7045 266-3081
AUCTIONEERS:
Blaine-Nevin-Ed
PA Lic. #761-1442-1329
266-1671

# COMPLETE DISPERSAL

## SAT., AUGUST 23, 1986

**at 11:00 A.M.**

**At the farm on Rt. #492, 6 miles from New Milford, Pa. or 2 miles from Jackson. Exit I81 #65 at Harford, go North on #547 to #492 or Exit #64 at Lennox, take Rt. #92 North to Jackson & Rt. 492. Susq. Co. Arrows!**

### 86 HOLSTEIN CATTLE

**(A few colored)**

54 mature cows, 25 bred & open hfrs., 6 short yearlings, 1 service bull. 8 cows just fresh, a few due Oct., many in Dec. and on thru the winter. A young dairy, interstate health charts, vet examined.

### MACHINERY

Leyland "270" diesel tractor, M.F. "135" gas tractor, new rear tires, A.C. "WD45" widefront tractor, AC "WD" tricycle tractor. A set of A.C. adapter 3 pt. arms. Gehl #100 grinder-mixer (like new), N.H. #477 haybine, N.H. #56 rake, N.H. super "717" chopper, direct cut, 2 row & 1 row heads, N.H. #328 spreader, N.H. bale elevator, M.F. 3 pt. 4 bottom plows, M.F. 3 pt. disc, 3 pt. 2 section harrow, M.F. 5 ft. rotary mower, M.F. 3 pt. blade, M.F. #110 spreader, Papec forage box & R.G., N.H. #7 forage box & R.G., Lamco forage box & R.G., J.D. 33' crop sprayer, Papec short blower, Fahr tedder, buzz saw, 3 pt., J.D. #290 planter, A.C. (small) round baler, 2 bale boxes and wagons, Brillion 7 shank chisel plow, N.H. lime sower, etc.

### MILKING EQUIP., 2 SILO UNLOADERS & BARN CLEANER

3½ yr. old Zero 1150 gal. Super 20 tank w/auto washer & 114 gal. Super heat exchanger, Universal S.S. 2 inch pipeline, 6 units, washer, Universal 5 H.P. pump, water heater, Alamo "30" pump, 3 Surge pipeline units and auto washer. 2- Silo-Matic 20' silo unloaders & 200 ft. Cornell barn cleaner.

### PRODUCE

Large quantity bales 1st cut hay & some standing corn. Hay to be sold in lots. Corn in entirety.

Owners-
**KENNETH & JUNE POWERS**

**TERMS- Cash or Approved Checks w/ID; Lunch.**

Jim Adriance- Auctioneer
Montrose, Pa. AU4L
717-278-1574

# Public Auction Register

Closing Date Monday 5 00 P M
of each week s publication

THURS. AUG. 21 - 10:30AM 90 Registered Holsteins. 30 mis. E. of Lancaster along Rt. 23 between Morgantown & Elverson. From PA Turnpike Exit 22, Morgantown, take Rt. 10 S. ¼ mi., go E. on Rt 23, 2 mis to farm on right. Wilmer and Mark Kraybill Dispersal. Leon Kurtz, Auct. Dale Hoover, Pedigrees, Lebanon, PA, Mgrs.

THURS. AUG. 21 - 4:30PM Antiques, HH, Tools, Guns & Coins. Along the Old Lancaster Pike, Cumru Twp., Berks Co., PA. Rt. 222 to Colonial Hills Bowling Alley turn W. onto Old Lanc. Pike. Terms by: Alvin A. & Esther M. Stricker

FRI. AUG. 22 - 9AM Antiques, Old Tractors, Farm Eq., Antique Furniture. Rentzel's Auction Barn, 1 mi. N. of Manchester, PA, off Rt. 181. For: South Central PA Historic Lifestyle & Power Society.

FRI. AUG. 22 - 1:30PM State Graded Pig Sale. Westminster Livestock Auction, Westminster, MD.

FRI. AUG. 22 - 4PM For: Landscaper's Helper, Inc., Old Rt. 309 & Ridge Rd., Sellersville, PA. Sanford A. Alderfer, Inc., Aucts.

FRI. AUG. 22 - 5:30PM Gap Auction Antiques & HH sold at every auction. Located off Rt. 41, Lancaster Turkey Hill Minit Mkt., cross RR bridge. Ira Stoltzfus & Son, Aucts.

FRI. AUG. 22 - 7PM 100 Holstein Heifers. At Kling's Sale Barn, Perry Co., 15 mis. N. of Carlisle, on Rt. 74, 2½ mis. NE of Landisburg, PA. Managed by: Art Kling.

WED. AUG. 20 thru SAT. AUG.23 - 7PM Wed. Eve. 9:30AM Ea. Following Day. Carriage, Sleigh & Antique Auction. At Martins Sales Pavalian 2 mis. E. of Intercourse, Lanc. Co., PA. Martin Aucts.

SAT. AUG. 23 - 8:30AM Bareville Fire Co. 11th Annual Sale. Furniture, Antiques, Quilts, Glassware, New Tools, Groceries. Located Bareville Fire Co. along Rt. 23 between New Holland and Leola at 211 E. Main St., Leola. Local Aucts.

SAT. AUG. 23 - 8:30AM Paper Memorabilia, Furniture, Toys, Collectibles, Glassware, Advertisng. Located on Rt. 183, near Summit Station, Wayne Twp., Schuylkill Co., PA, at Blue Mountain Hall. Ordered by: Darla Yesenosky P.O.A. for Dora Mease. Jay Riegel, Jr., Auct.

SAT. AUG. 23 - 9AM Real Estate, Antiques, HH. 12 Broad St., Ephrata, PA. Near Highland Elementary School. Terms by: Margaret F. Espenshide Estate. T. Glenn & Timothy G. Horst, Aucts.

SAT. AUG. 23 - 9AM Fine Antiques, Glassware, Guns, Toys. 1 mi. S. of Littlestown, PA. Along Rt. 97 (Formerly 140), turn left onto Bollinger Rd., go 7/10 mi., turn right onto Mathias Rd. and go to first farm on right hand side. Glenn Y. Kindig, Owner C. David Redding & Edgar A. Bohrer, Aucts.

SAT. AUG. 23 - 9AM 78 Acre Farm, Farm Mach., Antiques, HH. Conewago Twp., York Co., Northeastern School, 1 mi. off Rt. 83 at Exit 12, East. Estate of Ervin Weire. Blaine N. Rentzel, Auct.

SAT. AUG. 23 - 9AM Antiques, Furniture, HH, Tools, Truck. Hoover Rd., Kinzer R1, Salisbury Twp., Lanc. Co., PA. 12 mis. E of Lanc. on Rt. 30, turn S. on Hoover Rd. or 6 mis. E. of Strasburg on Rt. 741, turn N. on Hoover Rd. By: Leroy & Evelyn Kreider. Alvin Miller & Elvin Siegrist, Aucts.

SAT. AUG. 23 - 9:30AM Real Estate, 32 Acre Farm, Farm Eq., Antiques, HH. From Rt. 222 & Rt. 568 (Jct. take Rt. 568 E.) across Rt. 625, through Alleghenyville, continue approx. 1 mi. on Rt. 568 to Horning Rd. Turn left on Horning Rd. to property on right. Brecknock Twp., Berks Co., PA. Auction by: Stewart E. Meck. Paul E. & John D. Stauffer, Auct.

SAT. AUG. 23 - 9:30AM C.D.T. Backhoes, Dump Trucks & Light Duty Vehicles. For: Peoples Gas, Light & Coke Co., Chicago, Illinois. Vilsmeier Auct. Co., Inc.

SAT. AUG. 23 - 9:30AM E.D.T. Backhoes, Rubber Tired Loaders, ATVs, Trucks & Light duty Vehicles. For: Public Service Electric & Gas Co., Edison, NJ Vilsmeier Auct. Co. Inc.

SAT. AUG. 23 - 9:30AM Farm Machinery, Tools, Hay, Travel Trailer Victor Droppa, Rt. 579, Quakertown, NJ Quakertown is 6 mis. S. of Clinton (Rt. 78). From Clinton Rt. 78 take Pittstown exit to Rt. 513 and Pittstown, then 579 to Quakertown. Kachmar Auct. Serv.

SAT. AUG. 23 - 10AM Hay Sale on PA Rt. 24 between Stewartstown & New Park. York Co. Livestock Sales Ltd. Stan & Mary Nagle, Owners.

SAT. AUG. 23 - 10AM Farm & Sheep Eq., Hay, Tools, HH. Located between Centerport & Bernville (approx. 4 mis. NE of Rt. 183), Berks Co., PA. Traveling on Irish Creek Rd. turn E. at the Coachlite Penn Valley Inn onto Scull Hill Loop Rd. for 1 mi. to first farm on right. For: Charles & Eleanor Boyer. Dennis F. Wagner, Auct.

# GOOD'S AUCTION

**111 North Maple Ave. Leola**
**Hay and Straw Sales**
**Every Wed. At 12 o'clock noon**

Farm Machinery sales first Wednesday of every month. September, October & November.

| | |
|---|---|
| Hardware and tools | 9:00 o'clock |
| Building Material | 11:30 |
| Lawn and Garden | 12:00 |

Followed By Machinery

**No Household Goods**
**No Junk**
**No Out Of State Checks**

**GOODS AUCTION**
111 North Maple Ave.
Leola, PA. 17540
Auction House
#000014-L

# PUBLIC SALE

## OF REAL ESTATE, ANTIQUES & HOUSEHOLD GOODS

EPHRATA

## SATURDAY, AUG. 23, 1986

Auction Time: 9:00 A.M.
Coins: 3:30 P.M.
Real Estate: 2:00 P.M.
Located At 12 Broad St., Ephrata, Pa. (Near Highland Elementary School).

### 2½ STORY BRICK SEMI-DETATCHED DWELLING

INSPECTION CALL 733-7895, 569-2615.

Walnut Kass (2 Lower Drawers); Grained Jelly Cupboard; Oak Stacked Bookcase; Marble Parlor Table; Walnut Marble Dresser; Blanket Chests; Boston Rocker; Decorated Chair; Victorian Chairs; Pressed Back Chairs; Pineapple Bed; Mahogany Dining Room Suite; Victorian Love Seat; Love Seat; Mahogany End Tables; Empire Bureau; Dropleaf Table; Floor Lamps; Porch Rockers; Smoke Stand; Treadle Sewing Machine; Braided & Hooked Area & Throw Rugs; Automatic Washer; Vacuum Cleaner; Moravian Rolling Pin; Walnut Shelf; Mantel Clock; Painting By Ed Wingenroth; Gold Pocket Watches; COINS — 35 Silver Dollars; 50 Silver Halves; 150 Silver Quarters; Silver Dimes; Nickels; Indian Head Pennies; Wheat Pennies; CURRENCY — Quilt; Lace Tablecloths; Fancywork; Antique Clothing. Lots Costume Jewelry.

Tin Pail; Bone Handled Knives & Forks; "George Washington" Axe; Cigar Making Tools; China Case Clock; Gold Leaf Frames; Wooden Medicine Cabinet; Kerosene Lamps; Cookie Cutter; Brass Candlestick; Candle Snuffer; Balance Scales; Flat & Sadirons; Baskets; Mandolin.

### CHILDREN'S ITEMS

Mechanical Tools; Hubley Toys; Doll Carriage; Doll Swing; Doll Bedroom Suite; Celluloid Santa Claus; SHIRLEY TEMPLE DOLL; MADAME ALEXANDER DOLL; Effanbee Rosemary & Patsy Dolls; Toy Typewriter; Washing Machine & Stove; Cast Iron Stove; China Tea Set; Old Valentines, Post Cards; Paper Items; Doll Clothes.

### CHINA & GLASSWARE

Copper Lustre; Spatter Stoneware Pitcher; Majolica Creamer; Mustache Cup; Oplaescent Plate; Rabbit On The Nest; Blue Willowware; Blue Collector Plates; Blue Willow Bowl & Pitcher; German Chocolate Set; Oriental Tea Set; Ironstone; Oriental Easter Eggs; Bisque Figurine; "Stiegel Type"; Satin Glass; Pansy Pitcher & Bowl; Pressed & Patterned Glass; Hall Pitcher; Noritake Bennington Bowl; Crock w/Blue Markings; Earthen & Slipware Pie Plates; Crocks & Jugs; Books.

TERMS BY:
**MARGARET F. ESPENSCHIDE ESTATE**
T. GLENN HORST
AU-000438-L—859-1331
TIMOTHY G. HORST
AU-001767-L—738-1245
MICHAEL WORRALL, ATTY.

# PUBLIC SALE

## THURSDAY, AUGUST 28, 1986

9:30 a.m.

## LANCASTER CENTRAL FARMERS MARKET

The City of Lancaster will sell four (4) stands at Central Market by public auction. Bidding will start at $400.00. For additional information call (717) 291-4740 or 291-4739. Bernard G. Grimm, Jr., Auctioneer. PA Auct. Lic. No. AU-002364-L

# *PUBLIC SALE*

## *OF ANTIQUES, HOUSEHOLD GOODS, TOOLS, GUNS & COINS*

***SHILLINGTON- SINKING SPRING AREA***

## *THURSDAY, AUGUST 21, 1986*

***4:30 P.M.***

***GUNS 6:30 P.M.*** ***COIN 8:00 P.M.***

**Located along the Old Lancaster Pike, Cumru Township, Berks County, Pa. (Directions — Rt. 222 to Colonial Hills Bowling Alley turn west onto Old Lancaster Pike.**

PINE LOW DRY SINK; Open Wash Stand; Cannonball Bed; Cedar Wardrobe; Blind Dutch Cupboard Top; Waterfall Vanity; 17 CU. FT. SIDE BY SIDE REFRIGERATOR; Maytag Wringer Washer; Refrigerator with Tap System; Oak Cane Seat High Chair; Bench.

Crocks & Jugs; TROPHY FISH; Balance Scale; Pencil Drawing; Deep Well Picture Frames; Antique Baskets; Iron Banks; Comfort; Flagspread; Post card Album; Local Post Cards; Wooden Salt Box.

SPONGE SPATTER MILK PITCHER; Soft Paste Teapot; Ironstone Teapot; "SCINDE" FLOW BLUE COFFEE & TEAPOT; CREAM & SUGAR; CUPS & SAUCERS PLATES; Blue Oplaescent Thumbprint Water Set; Souvenir Glasses; Blue Willow Carnival Glass; Ruby Glass Stemware; Imperial Glass; Dark Carnival Glass; Press Cut Decanter; Kerosene Lights; Lanterns; Vaseline Glass; Goofus Glass; Copper Lustre; Bull's Eye Bowls; PRESSED & PATTERNED GLASS— Peanut Butter Glasses; Tinware Items.

### *TOOLS*

10 H.P. INTERNATIONAL HARVESTER CUB CADET RIDING TRACTOR; 5 H.P. Roto tiller; Tractor Dump Cart; Snow Blade; Stepladder; Wooden Rake; Wooden Barrel; Wooden Wheelbarrow; Hand Tools; Fishing Rods & Reels; Iron Kettle and Tripod; Ash Sifter; Coal Bucket; 10 cu. ft. Chest Type Freezer.

### *GUNS*

FOX STERLINGWORTH 16 GA. DOUBLE BARREL SHOTGUN; 12 ga. Shotgun; Muzzle Loader.

### *COINS*

1853 1 Dollar Gold Piece; (16) Silver Dollars— (16) Silver Halves— including 1832, 1834; (12) Silver Quarters— including 1802, 1808 Silver Dimes; Nickels; (2) Cent Pieces 1806; Large Cents; Half Cents; Indian Head; Antique and Costume Jewelry.

Terms By
**ALVIN A. STRICKER**
**ESTHER M. STRICKER**

T. Glenn Horst, Auct.
AU-000438-L—859-1331
Timothy G. Horst, Auct.
AU-001767-L—738-1245

## Public Auction Register

Closing Date Monday 5 00 P M
of each week s publication

SAT. AUG. 23 - 10AM Farm Eq. Located ¼ mi. W. of East Berlin on Rt. #234 take Fish & Game Rd. ½ mi., Adams Co., PA. Aruthur C. & Ernest D. Loper, Jr., Owners. Clair Slaybaugh, Auct.

SAT. AUG. 23 - 10:30AM Farm Mach. Just out of Middletown, NY. From Rt. 84 use Exit 3W to Rt. 6 to farm. For: M. Barmann & Sons, Inc. Col. Fred R. Daniel Aucts., Inc.

SAT. AUG. 23 - 10:30AM Commercial Angus Cattle-393 Head & Farm Eq. of Courtland Farm, Leesburg, VA. On U.S. 15, 6 mis. S. of Leesburg, 16 mis. N. of I-66 and 25 mis. N. of Warrenton. Coleman Sales Inc.

SAT. AUG. 23 - 1PM 12+ Acres Real Estate. Holtwood, PA. In Martic Twp., Lanc. Co., PA. At Muddy Run Park, turn off Rt. 372 at Lancaster Co. Sportsman's Assoc., Inc. sign, take Hilldale Rd., go approx. 2.2 mis. to Tucquan Glen Rd., go right a short distance to driveway on left. W.E. McQueen, Owner. Jacob A. & Brian L. Gilbert, Aucts.

SAT. AUG. 23 - 1PM Farm Machinery. Wayne & Shirley Foreman. Located 2 mis. from Walton on the Franklin Rd. County Rt. 21. Farm is 45 mis. N. of Binghamton, NY. Use Franklin Exit off I-88. Franklin Used Eq. Sales, Inc.

TUES. AUG. 26 - 5:30PM Furniture Manufacture Eq., Supplies & Unfinished Furniture. At Weaver's Star Motors, 1 mi. E. of Myerstown, along Rt. 422, Lebanon Co., PA. By: Richard Weaver. T. Glenn & Timothy G. Horst, Aucts.

WED. AUG. 27 - 8AM Wood Butcher's Dream. Antiques, Shop Eq. & Supplies of the late Werner Will selling at Troxelville Auction Gallery, Troxelville, PA. Bob, Chuck & Rich Roan, Inc., Aucts.

WED. AUG. 27 - 9AM Antiques, HH, Pistols, Guns. Loc. 1370 New Danville Pk., Lancaster, PA. Take Rt. 324 just S. of Lancaster By: Mr. & Mrs. Henry Baker. Howard Shaub, Aucts.

# PUBLIC SALE

## OF REAL ESTATE, HOUSEHOLD GOODS AND TOYS
## WEDNESDAY, AUG. 20, 1986

**SALE TIME: 4:00 P.M.**
**REAL ESTATE: 7:00 P.M.**

**Voganville, Earl Township, Lancaster County, PA. Directions: Rt. 322 East Of Ephrata South Onto Grist Mill Road 3 Miles To The Third Crossroad Wissler Road. Turn Left.**

### 2½ STORY BRICK DWELLING
Workshop. INSPECTION CALL 733-2544.

14 Cu. Ft. Refrigerator; Automatic Washer Dryer; 16 Cu. Ft. Freezer; Square Oak Extension Table; Maple Breakfast Table Chairs; Cedar Chest; Wardrobe; Zenith Floor Model Radio; Color Television; Sewing Machine; Treadle Sewing Machine; Braided Throw Rugs; Crocks; LINENS.

### CHINA AND GLASSWARE
Salt; Pressed And Patterned Glass; Hull's Dishes; Pitcher; Depression Glass; Collector Bottles; Iron Turtle; Agate.

### TOYS
"BUDDY L" HOOK AND LADDER FIRE ENGINE, "Buddy L" Dump Trucks; Tin Toys; Tonka Toys; New Holland Balers (2 Sizes); Structo Metal Toys; (Oliver, Hubley, International And John Deere); Miniature Farm Toys; Matchbox Toys; Mechanical Jeep; Children's Books; Wooden Blocks; Stuffed Animals; Metal Farm Set; Service Station; BB Gun; Bicycle And Tricycle; Sled; Express Wagon.

### TOOLS
GILSON 10 H.P. RIDING TRACTOR; Self-Propelled Rotary Mower; Lawn Sweeper; 32' Extension Ladder; Hand Tools; Fishing Rods and Reels.

**TERMS BY:**
**HELEN M. TREGO**

**T. GLENN HORST, AUCT.**
**AU-000438-L 859-1331**
**TIMOTHY G. HORST, AUCT.**
**AU-001767-L 738-1245**

# PUBLIC SALE

## OF ANTIQUES, FURNITURE, HOUSEHOLD GOODS, TOOLS, TRUCK
## SATURDAY, AUG. 23, 1986

**9:00 A.M.**

**Located: Hoover Rd., Kinzer R1, Salisbury Twp. Lanc. Co. Pa. Dir.: 12 mi. East of Lanc. on Rt. 30, turn South on Hoover Rd. or 6 mi. East of Strasburg on Rt. 741, turn North on Hoover Rd.**

4 pc. Cherry Bedroom Suite w/carving & Belved mirror, 2 matching Cherry Cane Seated Chairs & Rocker, Oak Chest of Drawers w/carving, 3 pc. Bedroom Suite w/matching wardrobe, Pineapple single bed w/box spring & mattress, Walnut ext. Table w/8 boards, Oak Hall Rack, Oak Hoosier Kitchen Cabinet, Painted Wood Grain Kitchen Cabinet, 3 pc. Living Room Suite, 9 pc. Dining Room Suite, Oak Side Board w/Belved mirror, Cedar Chest, 4 pc. Veneer Bedroom Suite w/box spring & mattress, Wood Box, Oak Rocker, Ornate Cane Rocker, Wash Stand, High Chair, 2 Plank Bottom Chairs, Oak Library Table, Sofa Bed w/matching rocker, Childs Hand Dec. Rocker, 3 Cane Seated Chairs, 2 Fainting Couches, Ladder Back Chair, Plant Stands, Reed Child's Chair, End Tables, Oak Swivel Desk Chair, Clothes Trees, Oak ext. table w/boards, Wood Benches, Oak Frames, Wicker Baskets, Old Pictures & Frames, Floor & Table Lamps, Books & Mag., Book Shelves, Misc. Chairs, Sewing Cabinet.

CONESTOGA WAGON JACK PEDESTAL TABLE (unusual); OLD QUILTS & COVERLET (nice condition), WALL HANGING QUILT IN FRAME; GOLD NUGGET, SILVER & HALF DOLLARS, PROOF SETS; GONE W/THE WIND OIL LAMP, OLD DEEDS, SOME EARLY CLOTHES, SHAWS, SPREADS, LINENS, HORSE BLANKET, POST CARDS, ALBUM.

Ironstone Pitcher & Bowl, Dresden Set of China, Pressed Glass, Pink, Green & Amber Dep. Glass, Dishes in Noritake, Japan, Milk Glass, Carnival, China Cups & Saucers, Chicken-on-nest, Hand Painted Dishes, Victorian Dresser Set, Spongeware Bowls, Egg Cups, Salt & Peppers, Baby Bottles, Stemware, Pfaltzgraff, Tumblers, Lots of Glassware & Everyday Dishes, Rodgers Silverware, Iron Skillet, Agate Roaster, Agate Ware, Stainless Steel Bowls, Lots of Kitchen Appliances & Utensils.

SIDE BY SIDE REFRIGERATOR/FREEZER COMB., UPRIGHT FREEZER

75 DODGE 5½ TON STATE BODY TRUCK W/SIDES

STEVENS 12 GUAGE SINGLE SHOT GUN, STEVENS 300 SAVAGE W/SCOPE

8 Horse Power Rototiller, 36" Riding mower, Pot. Plow, Cultivator, Walking Plow, 3 Wheel Bike, Porch Furniture & Chairs.

**ANTIQUES:** Wooden Express Wagon, Copper Kettle, Tin Wash Boiler, Wheat Cradle, Apple Butter Stirrer, Apple Picker, Cigar Molds, Butcher Kettle, Crocks, Wooden Wagon Wheels, Brass Bucket, Sm. Wood Tub, Agate Funnel, Horse Bits, Tob. Spears, Marble Top Scales - 1 w/brass scoop, Brass Torch, Bee Smoker, Marbles, Cigar Boxes, Oil Lamps, Lanterns, Slaw Cutter, Old Jars, Jugs, Old Irons, BABY SCALE W/WICKER CRADLE, Old Dome w/flower arry., Mantle Clock, Jardineers, Wash Board, Hand Bag Wagon, Tin Measurer, Milk Cane, Saw Buck, Conestoga Wagon Jack, Broad Axes, Double Head Axe, Wood Level, All size adds, Block Planes, Wheat Forks, Hay Hooks, Tob. Shears, Tongs, Shoe Lathe, 1 & 2 Man Crosscut Saws, Digging Iron, Draw Knife, Hand Bits, Socket Sets, Wrenches, Skill Saws, Grinder, Hatchet, Step Ladder, Bench Vise, Miter Saw, Sledge, Pick, Wood Chisel, Screw Drivers, Tin Shears, Elec. Drill, Sander, Buggy Shaft, Axles, Forks, Shovels, 50' of Dried Lumber, Hand & Garden Tools.

Lots of Misc. Items Too Numerous To Mention.
Large Sale With Lots of Nice Items.

SALE ORDER: 9:00 A.M.- Shop Items & Antique Tools
11:00 A.M.- Truck, Coins, Gold Nugget, Guns followed by Household Goods, Antiques, & Furniture
1:30 P.M.- Quilts

No Out-of-State Checks–
Not Responsible for Accidents–
Food Available

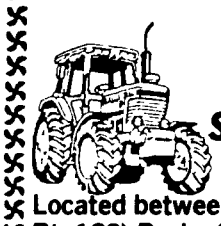
In case of inclement weather sale will be held in tent.

**Sale By**
**LEROY AND EVELYN KREIDER**

**Auctioneers:**
**Alvin Miller Lanc., Pa.**
**717-392-1547**
**Elvin Siegrist Ronks, Pa.**
**717-687-6857 AU-1723-L**

# PUBLIC AUCTION

## FARM & SHEEP EQUIPMENT, HAY TOOLS, HOUSEHOLD GOODS
## SATURDAY, AUG. 23, 1986
**at 10:00 A.M.**



**Located between Centerport and Bernville (approx. 4 miles NE of Rt. 183) Berks Co., Pa. Traveling on Irish Creek Rd. turn East at the Coachlite Penn Valley Inn onto Scull Hill Loop Rd. for 1 mile to first farm on right. Watch for sale signs.**

Case model 350 tractor w/hyd. & 3 pt., Int. model F-14 tractor (not running), M.H. model 3 baler, Int. model 816 7 ft. cut-conditioner, A.C. pull-type 5 ft. cut combine, Ford model 16-65 mounted 1-row corn picker, Oliver 10-row grain drill, 2-row corn planter, 28 ft. bale elevator, Ford model 1472 mounted rake, 7'x14' flat hay wagon, 6'x7½' 2-wheel wagon, ½ ton trailer (licensed), New Idea model 12-A manure spreader, Case 3-btm. mounted plow, pull-type disc, pull type 4-sec. spring harrow, Spinner grass seeder, barrel-type, sprayer, hammer mill, corn sheller, feed bins & barrels, platform scale, rubber tire wheelbarrow, cement mixer, 300 gal. gas tank w/pump, wood splitter w/out motor, portable shelter (7'x8'), approx. 4 ton of last yrs. mixed hay, Sheep Equipment for 80 head, sheep periodicals & health books, automatic drinking heated bowl, hay racks, lambing pens, shears, creep panels, feed troughs, water bowls, paper twine, buckets, feed scoops, chicken equipment, chain link & snow fence, wooden & metal fence posts, barn logs, firewood, lumber, used doors, windows, hardware, gates & tires, chains, ropes, cables, assortment of ladders, new & used spouting, used roofing, electrical supplies, building materials, car parts & paints, sm. Briggs & Straton side shaft motor, wagon wheels, bushel baskets, stainless steel tub, plumbing supplies, meat grinder, hog litter, single & dbl. trees, brass torches & fire extinguishers, canning jars, asst. of dishes, beer lights, camping supplies, sporting goods, old kitchen cabinets, old Hardwick gas stove, chest freezer, wrought iron patio set, chase lounge, candy coating table w/melters, old books & newspapers and many other items. Reason for selling-farm sold.

**Terms: Cash or Pa. check, day of sale.**

**Sale For:**
**CHARLES & ELEANOR BOYER**

**Auctioneer;**
**Dennis F. Wagner**
**AU-001427-L**
**Phone: (215) 562-7445**
**Brian R. Folk, App. Auct.**
**AA-001494-L**

**Refreshments Available**

**(Not Responsible for Accidents)**

# PUBLIC AUCTION

## Real Estate - 32 Acre Farm
## Farm Equipment - Antiques
## Household Goods
## SATURDAY, AUGUST 23, 1986

**Auction Time: 9:30 A.M.**
**Real Estate: 2:00 P.M.**

**LOCATION: From Route 222 & Route 568 (Jct. take Route 568 East) across Route 625, through Alleghenyville, continue approx. 1 mile on Route 568 to Horning Road. Turn left on Horning Road to property on right. Brecknock Township, Berks Co., Pa.**

### 2½ Story Stone Farmhouse
Contains: MODERN KITCHEN w/built-in cabinets, DISHWASHER, GAS RANGE, MICROWAVE OVEN; dining room, large family room with fire corner, ½ bath, upstairs includes four bedrooms, full bath; full basement.

* Oil Fired Hot Water Heat * New Pressure System * Storm Windows & Screens * Springhouse * Frontage On Horning Road * Spring * On Lot Sewer * Pond * Summer House * Open Stairway * Original Windows w/Deep Sills

LARGE BANK BARN - OTHER OUTSIDE BUILDINGS. 32 ACRES TOTAL - APPROX. 9 ACRES TILLABLE. Recent Survey, February, 1986.

**NOTE:** DO NOT MISS THIS AUCTION if you are looking for ACREAGE w/MANY POSSIBILITIES, only MINUTES FROM READING. A Golden Opportunity For That Horse Farm, Or Simple Country Living.

**OPEN HOUSE:** See This Property At Open House Saturday, August 16th From 12:00 Noon To 3:00 P.M. Or By Appointment, Call Paul E. Martin, Auct., At 717-733-3511. Balance Of Property May Be Seen Any Time.

**JOHN A. HOFFERT ATTY.**

### FARSON CHEST
Very Fine Condition; Oak Icebox w/Original Hardware; Sideboard; Woodbox; Oak Ext. Table; Bureaus; Chests; Leather Love Seat; Chair; Rocker; 2 Rocking Chairs; Playpens; Cribs; Round Table; Breakfast Set; 3-Pc. Living Room Suite; RCA Color T.V.; NORGE Chest Freezer; Necchi Sewing Machine; Sunbeam Mixer; Blender; Toaster; Games; Puzzles; Cookie Cutters; Jugs; Crocks; HEINZ 5 Gal. Pickle Jar; Flat Irons; Baskets; Suitcases; PICTURES & FRAMES; Books; Rugs; H.O. Train Set; Bottle Capper; 2 Guitars; Electric Mandolin; Dated Jars; Mirrors; Medicine Cabinet; Pots; Pans; Misc. Housewares; Fry Pans; Eye Glasses; Lunch Boxes.

### FARMALL A TRACTOR
w/Plow, Cultivator, & Hydraulic Lift; CASE V.A.C. w/Cultivator, Plow, Snow blade; Mower for Farmall C; 3 Pt. Hitch for Farmall C; 3 Pt. Rotary Cutter; JOHN DEERE 2 Row Corn-planter w/Fertilizer Attach.; Three 2 Wheel Trailers; 2 Disc Harrows; Fodder Shredders; Grain Drill; Hammermill; Walking Plow; Hay Ladders; Dismantled Saw Mill; Left Hand Log Splitter; STANDARD Garden Tractor w/Cult., Plow, Disk; Fuel Tanks; Feed Carts; Log Chains; Chain Hoist; Air Compressor; Large Drill Press; Bench Drill Press; Cement Mixer; 2 Hole Corn Sheller; Iron Kettles; Kettle Stirrer; Sausage Stuffer; Table Saw w/Motor; 2 SKIDOO Snowmobiles; INDIAN MOTORCYCLE; John Deere Tool Box & Tools; Tool Box For 1931 Buick; Running Board Luggage Carrier; King Automatic Room Heater; Franklin Stove; Pony Saddle; English Saddle; Plus Many More Items.

**AUCTION BY:**
**STEWART E. MECK**
**Phone 215-777-1000**

**Auction Conducted By:**
**J.&P. AUCTIONS**
**Paul E. Martin, Auct. AU-001601-L**
**Ephrata, Pa. 717-733-3511**
**John D. Stauffer, Auct. AU-001509-L**
**Lititz, Pa. 717-665-5099**

**FOOD AT AUCTION**

## Public Auction Register

WED. AUG. 27 - 4PM Televisions, Radios, Office Eq., TV & Radio Repair Eq. Located Kreider Bros. TV, 114 W Main St, Ephrata, PA. T Glenn & Timothy G. Horst, Aucts.

THURS. AUG. 28 - 9:30AM City of Lancaster will sell 4 stands at Lancaster Central Farmers Market. 717-291-4740 or 291-4739 Bernard G. Grimm, Jr., Auct.

THURS. AUG. 28 - 10AM Consignment Sale of Tractors, Combines, FArm Implements, Trucks. Everetts Corner, 3 mis. W. of Kenton, DE, on Rts. 300 & 44. C.T. Scuse & Sons, Aucts

THURS. AUG. 28 - 11AM 58 Holsteins & Farm Machinery. For G. & F Larney, Rt. 609 (Ramseyburg Rd.), 3½ mis. W. of Hope, NJ. 2 mi. E. of Rt. 46! 2½ mis. E. of PA line, 16 mis. E. of Easton, PA, and 10 mis. S. of Delaware Water Gap! Col. Fred R. Daniel Aucts., Inc.

THURS. AUG. 28 - 12 Noon. 50 Reg. Holstein milk cows and some heifer calves. Located Upper Dauphin Co., at Halifax, PA. Go N. on Rt. 225 to Fisherville, turn right toward Enders, about 3 mis. to farm. Roy & tim Wilbert, Owners. Mark Glick, Auct. Art Kling, Pedigrees.

THURS. AUG. 28 - 2PM 69 Acre Dairy Farm, Farm Eq. Albright Rd., Heidelberg Twp., Lebanon Co., PA. Take Rt. 419 N. from Rt. 897 in Scheaffferstown approx. 2 mi. to Albright Rd. 1st farm on left. Isaac S. & Verna H Brubacker. Sanford G. Leaman Auct. Serv.

THURS. AUG. 28 - 7PM Farm Machinery. By Order of: FmHA. Col. Fred R. Daniel Aucts., Inc.

THURS. AUG. 28 - 7:30PM Berks Co. Holstein Sale, 55 head of Registered Holsteins. Held at Reading Fairgrounds, PA. Managed by Backus Associates.

FRI. AUG. 29 - 7PM Willow Hill, Franklin Co., PA. Dairy Herd Dispersal of 50 Top Registered Holsteins, Marvin N. Adams, owner, Willow Hill, PA. Kling's Auction Service, Sale Mgrs.

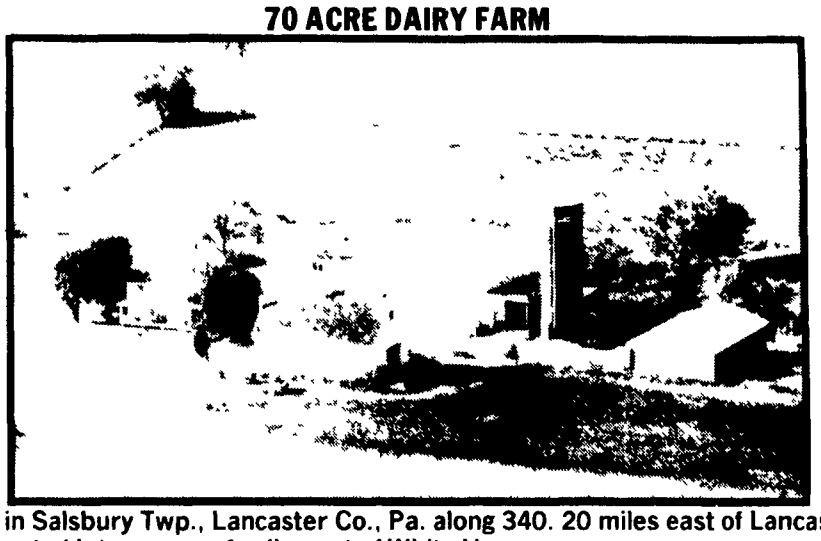
FRI. AUG. 29 - 7:00 Lebanon Co. Holstein Club Heifer Sale. Lebanon Area Fairgrounds. Harry H. Bachman, Auct.

SAT. AUG. 30 - 8:30AM Real Estate, Antiques, Carnival Glass, Glassware, Car, HH. For the Walter C. & Mabel E. Smith Estate of 50 W. High St., Windsor, PA, York Co. Bob & Tom Sechrist, Aucts.

SAT. AUG. 30 - 8:30AM Libraries and Collections of H. Glenn Baker, Julia E. Byrd, Mrs. Harry Groff, Dr. Raymond R. Stayer and Leon K. Walters. Farmersville Fire Hall, E. Farmersville Rd., Farmersville, Lanc. Co., PA. Terms by: T. Glenn Horst & Son, Inc. (Agent for Owners) T. Glenn & Timothy G. Horst, Aucts.

# PUBLIC AUCTION

**REAL ESTATE**
**WEDNESDAY, SEPTEMBER 17, 1986**
**1:30 P.M.**
**70 ACRE DAIRY FARM**



**Located in Salsbury Twp., Lancaster Co., Pa. along 340. 20 miles east of Lancaster City. 4 miles east of Intercourse. 1 mile west of White Horse.**

8 rooms 2½ story house, full basement, kitchen, dining and living room, den, pantry on first floor 4 bedrooms and full bath on second floor

Bank barn, 2 silos, 20x70 Harvester (Goliath unloader) 10x50 concrete 40x60 implement shed 4 acre capacity tobacco shed. Large corn crib and 4 grain bins built in barn, 3 car garage. Good spring stream runs through farm.

Building in good repair Nice place

**10% down day of sale, final settlement on or before April 1, 1987.**
For appointment to see property call 717-768-8372

Auctioneer-
Steve
Steve Jr PETERSHEIM
AU-001349L

Owners:
**HERSHEY & MARGUERITE KURTZ**

# CONSIGNMENT SALE

**of**
**TRACTORS - COMBINES - FARM IMPLEMENTS - TRUCKS**
**THURSDAY, AUGUST 28, 1986**
**10 A.M. RAIN or SHINE**

LOCATION: Everetts Corner. 3 Miles West of Kenton, De. on Rts. 300 & 44.

We will be accepting equipment on August 25, 26, 27 from 8 A.M. till 5 P.M.

For information call
**C.T. Scuse & Sons, Auctioneers, Inc.**
302-653-7530
or
**Marvel Everett**
302-653-7532

# PUBLIC AUCTION

**Valuable 85 acre farm (2 parcels). Antiques, Collectors Items, Household Goods, etc. At the former Frank Bartlow farm, 1 mile SE of Unityville.**

**MONDAY, LABOR DAY, SEPTEMBER 1, 1986**
**Starting at 10:00 A.M.**

**Real Estate 1:00 P.M.** Parcel 1: 14 acre farmette with black top road frontage, 7 room, 3 bedroom home, 2 full baths with attached 2 car garage. Oil hot air heat etc. Also large bank barn remodeled for horses. Farm pond ideal for the hobby farmer. Lovely setting and location. **Parcel 2:** approx. 71 acres with approx. 50 tillable, balance woodland. Black top road frontage adjoining parcel 1. **Parcel 3:** Consists of parcel 1 & 2. To view these fine properties call 458-6043 or 546-6907. Real Estate sells subject to owners confirmation.

Owners:
**THOMAS & GRACE HUNTER**
**Conducted by Fraley Auction Co.**
**AU001194L, 546-6907**
Listing Later

# OUTSTANDING PUBLIC AUCTION

***FINE ANTIQUES- GLASSWARE- VERY NICE GUNS- TOYS***

**Having sold residence the undersigned will sell at public auction his life-long collection of antiques and guns, located 1 mile South of Littlestown, PA - along Route 97 (formerly 140), turn left onto Bollinger Road, go 7/10 mile, turn right onto Mathias Road and to first farm on right hand side - on**

**SATURDAY, AUGUST 23- 9:00 A.M.**

**A fine lot antiques consisting of:** Chippendale 3 over 5 walnut inlaid high chest of drawers w/old brass and bracket ft.; Chippendale 4 drawer chest of drawers; walnut broken arch, 30 hr. grandfathers clock, 2 weight, keywind, dec. face, calendar dial, signed Louis Miller - March 15, 1900; unusual Chippendale graduated 4 drawer solid end chest; maple bird cage tilt top stand; Rupp 4 drawer chest of drawers w/stiple finish; fine old wicker baby buggy, original; Chippendale graduated 4 drawer bracket ft. chest of drawers w/original brass; walnut and curley maple Hepplewhite slant front desk w/nice interior; Sheraton 4 drawer solid end chest of drawers; old farm table w/1 drawer; set 6 boot-jack plank bottom chairs; set 6 curley maple rush seat chairs; mahogany bow front and side 5-shelf china w/claw ft. and carved front & top w/mirror back; 2 pc. softwood corner cupboard, 2 dovetailed drawers and glass door top; walnut broken arch 2 pc. corner cupboard w/dovetailed drawer; oak marble top chest of drawers; oak roll top desk; painted softwood drysink w/dovetailed drawer; curley maple 3 drawer chest of drawers; wicker chairs; carved mahogany four shelf glass door bookcase; oak 5 shelf glass door china w/2 drawers & bevel glass top; Hepplewhite tapered leg inlaid 6-leg drop leaf table; softwood dovetailed blanket chest w/original stiple finish; round oak pedestal table; softwood stand w/dovetailed drawer; flat top & camel back trunks; walnut bow front china cabinet; oak chest of drawers & dressers; plank bottom chrs.; oak arm rocker; pr. Adams chairs; slat back rockers; old churn w/stand; old ladder-back rocker; very old walnut 3 drawer pedestal stand; very old Olympic wood childs wagon; spinning wheel chair; Victorian settee.

Curley maple pewter top coffee mill; unusual brass 2-bulb lamp; brass clothes tree; lot old pictures & picture frames; lot copper & brass items; 4 brass buckets - some signed; old pewter top coffee mill; small cast Enterprise coffee mill; lg. copper apple butter kettle; rare unusual Harrisburg Machine & Foundry brass display steam power unit in case; old childs wooden riding horse; old childs tricycle; old childs metal riding horse pedal toy; repro. drysink; oak table boards; oak dresser mirrors; silver-plate & sterling items; lot old post cards; lot misc. castware, woodware & tinware items; flat irons; glassware includes; lot Strawberry w/gold leaf pressed & patterned glass, very nice lot other pressed & patterned glass, flow blue pieces, art glass pitcher & glass sets; very nice lot copperlustre pitchers, cups, bowls - lot decorated; carnival, old hobnail, cranberry glass, old tea pots, old shakers, cut glass; Oneida Tudor plate service f-12 w/extra pieces table china; Faust pretzel; lg. oriental vases; lot other very nice glassware items.

Two fine coverlets- 1- J. Lutz, E. Hempfield Township for Sussan Shookers- 1855; 1 signed Mary A. Hofacker; quilts; 2 old bisque dolls- 1 marked Special 9/0- other 1894 AM3-DEP; lot collectors and antique toys, tin and cast.

Ten drawer office file unit; mantle pieces; Hardwick apartment size gas range; GE Harvest Gold 2 door refrigerator-freezer; Enterprise stuffer; other items.

**Fine lot guns include:** Parker 12 guage Trojan; Pre 64- Winchester Model 70- 300 H&H magnum w/variable 3-9X scope & 4 boxes ammo. (new cond.); 2 Winchester Model 12-12 guages; LC Smith 12 & 16 ga. doubles - one Specialty Grade; 2 Ithaca 12 ga. doubles; Fox Sterlingworth 12 ga. doubles; J. Hollis & Sons. A. Richards and other 12 ga. doubles; Browning Light 12-12 ga. Semi w/rib; Stevens & Remington 12 ga. singles; Winchester 22 cal. rifle; others.

**Auctioneer's Note: A fine sale from start to finish- Many items rare and hard to find. Plan to attend. Sale under tent- bring own chairs.**

**Sale Day Inspection Only- Beginning at 7:00 A.M.- Furniture: 1:00 P.M. Guns: following furniture.**
**Terms: Cash- Refreshment Rights Reserved** Owner-
**GLENN Y. KINDIG**
**Littlestown, PA- PH: 717-359-4691**

**Auctioneers: C. David Redding- PA License No. 742-L**
**Gettysburg, PA- PH: 717-334-6941 or 334-6598**
**Edgar A. Bohrer- PA License No. 1233-L**
**Bunker Hill, West Virginia- PH: 304-229-8354**

***THOMPSON***

# ESTATE COMPLETE DISPERSAL

**Located 1 mile off Rt. 15 Covington, Pa. Watch for arrows at blinker light in Covington.**

**SATURDAY—AUG. 23 at 10:30 sharp**

**Selling order, shop & small items at 10:30; large machinery will be sold at 1:00 sharp regardless if done on small items or not.**

**MACHINERY**

Case 930 Comfort King diesel tractor; IHC 240 tractor 2 pt. hitch; M Farmall for parts; Oliver 70; 8N Ford; Model 3WL Oliver crawler w/bucket & quick attach backhoe; Dodge 200 truck 4 speed 4/wheel drive w/stake body & Myers snow plow; Viking 60 Chev. truck w/hoist & 14' flat bed; JD self prop. combine; heavy duty Miller transport 12' disk; BN215 Badger liquid tank spreader; Ford 5 bottom semi-mount plows; Brillion 16' transport disk; large transport dry fertilizer spreader; JD 2 row corn planter; Decker D60 flail chopper; JD 13 disk grain drill; 40' hay elev.; Ontario 16 disk grain drill; 2 bottom trailer plow; 9 shank chisel plow; JD 70 barrel spreader; Papec transport weed sprayer w/200 gal. plastic tank & pump; 2 Haines gravity boxes; IHC hopper blower; 2 old spreaders for trailers; 3 pt. blade; 2 grain augers; Esco milk tank (no compressor); small lowboy trailer; pole trailer; M 53 jet rotary mower; 3 pt. fertilizer spreader; Wisconsin air cooled motor; air compressor; 2 pt. two 3 pt. tool bars; hammer mill; cinder block; approx. 250 bu. baskets; approx. 250 potato crates; approx. 75 apple bins; lots of windows; plank & lumber; lots of old doors; old house shutters; corn sheller; wheel barrow; platform scales; 2 bag carts; cords; milk cans; tires; pallets; barn jogger; piano; a shop full of tools such as jig saw; sander; anvil; vices; saws; motors; pipe cutters & threader; etc. grinder; bolts & lots & lots of small items not listed.

**Terms Cash or good check.**

Estate of
**MERVIN (JIGGS) THOMPSON**
OWNER-
**NANCY THOMPSON**
717-659-5135

**Auctioneer- Arlow Kiehl**
**Sales Manager- Gordon Wood**
**Mansfield, Pa.—Ph. 717-549-4901**

**For the most in advertising coverage and preparing your sale. Call Woods Auction Service**

**Lunch Available**

## Public Auction Register

Closing Date Monday 5 00 P M
of each week s publication

SAT. AUG. 30 - 8:30AM Real Estate, Antiques, Personal Property, Farm Items & Truck. Along Accomac Rd., short distance off Rt. 462 in Hellam Twp. George L. Bupp, Owner. Jacob A. & Brian L. Gilbert, Aucts.

SAT. AUG. 30 - 9AM Antiques, Collectibles, HH, Farm Eq., Tools, Autos. Between Berrysburg & Millersburg, PA, in the village of Curtin turn N. off Rt. 25 onto Kessler Rd., and W. on Heckert Rd. Ralph E. Heckert, Owner. Mike & George Deibert, Aucts.

SAT. AUG. 30 - 10AM Trucks, Tractors, Farm Eq. US Rt. 50 & White-Richardson Rd., Pittsville, MD. For: FmHA and other lending institutions. Pete Richardson Auct. Sales.

SAT. AUG. 30 - 10AM Flea Market on PA Rt. 24 between Stewartstown & New Park. York Co. Livestock Sales, Ltd. Stan & Mary Nagle, Owners.

SAT. AUG. 30 - 10AM Consignment Sale of Used or Antique Tractors and Machinery. Williams Grove Historical Steam Engine Assoc., 10 mis. S. of Harrisburg, off Rt. 15 or 74 I-81 Exit 15. South Exit 18. Turnpike Exit 17 Little Ike Eichelberger, Melvin Haines, Ralph Brenneman, Aucts.

SAT. AUG. 30 - 10AM Farm Machinery, HH, 1974 GMC Pickup, Dirt Pike, Snowmobile, (2) 8' Truck Caps. From Lancaster take Rt. 272 S. to Wakefield. At Wakefield take Rt. 222 S. 2 mis. to Village of New Texas, turn W., go 1 mi. to sale. By: Madeleine W. Asso. Lloyd Kreider, Randal Kline, Roy Good & Gary Shirk, Aucts.

SAT. AUG. 30 - 10AM HH, Antiques, Farm Eq. Franklin Co., PA. Along Rt. 11, approx. 7 mis. N. of Chambersburg and approx. 4 mis. S. of Shippensburg. By: Harold Wenger, Melvin & Lamar Sensenig, Aucts.

SAT. AUG. 30 - 10:30AM Gockley Machinery Auction, Reinholds, PA. Ed Goodrich, Jr. & Blaine Rentzel, Aucts.

# PUBLIC SALE

## SAT., SEPT. 20, 1986

### 9:00 A.M.

**Located one mile north of Safe Harbor, four miles Southwest of Millersville. From Millersville take Sun Lane Road to Walnut Hill Road to sale, Manor Township, Lancaster County, Pennsylvania.**

### REAL ESTATE

***38 ACRE FARM,*** more or less, in high state of cultivation. Nine room, formed ***CONCRETE BLOCK HOUSE.*** Five bedrooms, cold cellar, full basement, outside entrance. Oil-burning heating system. Front porch, rear porch, and second floor balcony. Slate roof, mature shade.

Large ***BANK BARN,*** concrete barnyard with loading chute, corn cribs, room to hang approximately nine acres of tobacco. Slate roof. ***TWO-CAR GARAGE,*** Spring House, and macadam driveway.

### FARM EQUIPMENT

International 424 tractor; International Super C w/cultivator and tobacco hoers. International manure loader, both tractors in good condition. International 6' grass mower; Mowhawk 5' rotary mower; McD 2-bottom plow; New Idea 12A manure spreader; New Holland hay rake; disc harrow; cultipacker; rubber tired wagon; two-row transplanter; water tank on running gears; seven sets of tobacco ladders, six w/running gears; John Deere grain drill, fast hitch sprayer, 9,000 tobacco lathes; tobacco shears; two Minnich tobacco presses; water pump w/electric motor; stripping room stove; 600-lb. platform scales; oil tank and pump; wheelbarrow; milk stools; wood extension ladder; aluminum ladder.

***HAY AND STRAW.***

***1962 BUICK SPECIAL, 70,000 ORIGINAL MILES, RUNS GOOD.***

***ARIENS 11-HP ELECTRIC START RIDING MOWER; LAWN BOY MOWER.***

### HOUSEHOLD GOODS AND ANTIQUES

12 light Dutch Cupboard; farm table; small farm table; jelly cupboard; three sets of six plank-bottom chairs; three dove-tailed blanket chests, two w/drawers. Oak bow-front china closet; fine refinished mill desk; five drawer-layer chest of drawers; roll-top bedroom suite; bed, dresser, and washstand; Empire bureau; vanity; dresser; two chairs; commode chair; pressed-back rocker; spinning wheel chair; wooden bed; iron bed; ½ barrel wooden butter churn; foot stools; dining room suite w/six chairs; decorated captains chairs; cane-seated chairs; oak dresser w/mirror; wooden benches; meat bench.

**A number of pieces of J & S Alcock No. 20 China including:** plates, cups and saucers, creamer, sugar bowl, etc. Majalica china parrot pitcher; Bavarian china; German china dishes; china mustache cups; blown glass vases; some Carnival glass including "N" piece; blue lustre piece; hobnail; master salts; two glass squirrel nut cups; blue flow Depression glass; Nippon china; cruets; cake stand; Gone-With-The Wind lamp base; china dinner ware; whale-oil lamp.

Small kerosene lamps; tinware; candle mold; cheese mold; coffee pot; milk kettle; lanterns; flask; ladels.

Butter churns; butter print; shaving mirror on stand; blue decorated jug; crocks, some red; cast-iron pans; agateware; brass bucket.

1890 period dresses; pocket books, some beaded; dove-tailed boxes; small scales w/weights; cherry seeder; flat irons; fish horn; old child's "Elite" tool set in dove-tailed wood box, good condition; decorated wooden box; Civil War era shot maker; metal stencils; flutes; baskets, one rye; old games; old books; some German, Bible w/hand lettered family tree; Rockford Key Wind pocket watch; Jacob Habecker homespun grain bags; silverware; cast-iron cat.

Boardman and Wells tall mantel clock; coo-coo clock; Asonia mantel clock; clock w/doll on swing; leaded glass lamp shade; Sessions mantel clock; home-spun linen; show towels, some dated; bureau scarves; rag carpet; blankets and bedding; Currier print; the Declaration; Sarony and Major print; Mother's Day; picture frames; auto harp; victrola w/records; ladies side saddle and bridle.

Many pieces of Corning cookware; 10 pieces of Revereware; electric waffle iron; electric frying pan; electric mixer.

Small slant top desk; kneehole desk; White sewing machine; GE electric stove; GE chest freezer; GE upright freezer; GE refrigerator; GE wringer washer; sofa and chairs; two upholstered rockers; Maytag automatic washer; drop-leaf table; floor lamps; end tables; throw rugs; B&W console TV; small safe; twin galvanized wash tubs; book shelf; utility cabinet; cushions; pillows; ice cream freezer; gas cans; two Yardman lawn sweepers; single-shot bolt action .22 rifle; jars.

**Sale 9:00 A.M.**

Farm Equipment and Small Items at barn will be sold first.

**Real Estate at 1:00 P.M.**

**Inspection of Property:** August 30 and September 6 from 12:00 to 2:00 P.M.

**Terms:** 10% down possession with final payment on or before December 15, 1986.

***ANNA M. (PARK) KAUFFMAN*** Owner

Thomas Goodman, Atty.
Diffenbach's Auctioneers- 225L
393-4464

**Lunch Available**

# PUBLIC AUCTION

## FARM MACHINERY - TOOLS HAY - TRAVEL TRAILER

## SAT., AUGUST 23, 1986

### 9:30 A.M.

VICTOR DROPPA, Route 579, Quakertown, New Jersey.

**Quakertown is located 6 miles south of Clinton (Route 78). From Clinton Route 78 take Pittstown exit to Route 513 and Pittstown, then 579 to Quakertown. Auction arrows posted.**

Serro Sportsman 10' travel trailer; (2) Farmall H tractors; JD 2 bottom 12" pull behind plow; International 8' disc; 3 section springtooth harrow; 9' cultipacker; JD #490 corn planter; Case grain drill (as is); Case #200 PTO baler; NH #68 PTO baler w/kicker; NH semi-mount mower w/hyd. lift; NH rola bar rake; dump rake; old horse drawn mower; Int. #5 flail chopper; NH chuck wagon (as is); (2) rubber tire farm wagons, one w/kicker sides; single axle farm trailer; pony sulkey; NI 65 bu. manure spreader; Int. cultivator for H or M tractors; wheelbarrow grass seeder; ½ and 2 bag cement mixers; pull behind dirt scoop; JD one hole corn sheller; Simplicity 616 riding lawn tractor w/mower; Homco 5 hp. riding lawn mower; Hahn 4 hp. roto tiller; hand garden cultivator; rubber tire wheelbarrow; bag truck; 2 feed carts; 4 can milk cooler; double wash vat; 8 milk cans; poultry feeders; egg baskets; 3 gas brooder stoves; 11 chicken crates; 5' cast iron hog trough; grindstone; roll of snow fence; 14' metal farm gate; 150 gal. fuel tank w/pump; Agway sump pump; tank mtd. shallow well pump; 40' wooden ext. ladder; 5' wooden step ladder; assorted carpenter's and mechanic's hand tools; Ford and Fordson wrenches; old hand operated beam drill; pr. of Stewart cow clippers; pr. of bolt cutters; load binder; woven fence stretcher; 3 machine belts; log chains; 2 double action hyd. cylinders; approx. 600 bales of mixed clover-timothy hay; plus many items to numerous to list. A clean sweep sale, farm is sold.

**Auction Conducted By:**
**KACHMAR AUCTION SERVICE**
**Flemington, N.J. (201) 782-4271**

# PUBLIC SALE

## OWNER RETIRING EXCEPTIONAL 113 ACRE CROP & BEEF CATTLE FARM

****Will be Offered in Two Tracts & as Entirety****

## SATURDAY, OCT. 18, 1986

### AT 12:00 NOON

**LOCATION: Take Route #234 from Biglerville Square East off Route #34 1 mile to Guernsey Road thence North ½ mile to Guernsey and The Quaker Run Road going North ½ mile to sale in Butler TWP, Adams County, PA (Sale Signs Posted)**

**TRACT #1:** Containing 50 acres, more or less, improved with a fine spacious farm home having 7-rooms, 1½ bath, attached summer kitchen, 2 screened porches and 2d floor balcony, cemented basement and modern conveniences. Home is in excellent condition throughout. 40 Acres of this tract is fine tillable rolling farmland with balance in pasture and woodland.

**TRACT #2:** Containing 63 acres, more or less, improved with a fine 47' x 74' banked barn with stable areas opened & newly cemented for cattle usage. This tract also includes 3 2000 bushel rod iron link corn cribs, several implement storage sheds plus a Marietta Silo. Of the 63 acres 45 acres are A-1 tillable soil with the balance in pasture and woodland.

**NOTE: ALL BUILDINGS ON THESE TRACTS ARE IN TOP CONDITION WITH THE LAND ON BOTH TRACTS BEING BEAUTIFUL ROLLING FIELDS WITH STREAMS RUNNING THRU OR BORDERING EACH. 2/10 MILE OF MACADAM ROAD FRONTAGE RUNS THRU THIS FARM. FARM ALSO LIES WITHIN THE ADAMS COUNTY FRUIT BELT WITH THIS POTENTIAL ALSO.**

**FARM EQUIPMENT SELLING AT LATER DATE.**

**TERMS: 10% OF PURCHASE PRICE DOWN DAY OF SALE WITH BALANCE IN 90 DAYS WITH FULL POSSESSION. Other terms to be announced day of sale.**

**Inspection by appointment. Phone: 717-334-6633 or auctioneer.**

**Owners,**

## HANSFORD & RUTH SNEAD

**CLAIR R SLAYBAUGH, Auctioneer**
**Idaville, PA Phone: 717-677-7479**
**PA License 856L**

# BENEFIT AUCTION 4-H FAIR

## THURSDAY, AUGUST 21

### 4 P.M.

### MANHEIM FARM SHOW COMPLEX

Amish Quilt
4 HP lawnmower
Various pet supplies
Autographed Cookbook-Betty Groff
Assortment of trees & shrubs
4 Amish dolls
5 lb. Wilbur Chocolate bar
Various Restaurant gift certificates
Kodak Camera
Original Print-Constantine Kermes
15 makes of Toy Tractors
Handmade Pottery Bowl
Homemade bread for six months
2 Truck loads of stone
10-gallon hexagon fish tank
Prints of Lancaster Co. by James Ruof
Canadian Quilt
Baby Quilt
Local Quilt
Clock
Moravian Star
Baby Car Seat
2 Plane Rides
Teddy Bear by Moore Bears

## "OVER 100 ITEMS WILL BE SOLD"

For more information contact Lancaster County Extension Office, Zoann Parker, 717-394-6851

Special thanks to Lancaster Farming and Farmers First for sponsoring the advertisement.

## SANFORD G. LEAMAN AUCTION SERVICE

AUCTIONEERS LIC. #
AU-000532-L
SPECIALIZING in
FARMS, ANTIQUES, ESTATES,
APPRAISALS, LIQUIDATIONS

**ABSOLUTE**

**PUBLIC AUCTION**
of VALUABLE 69 ACRE
DAIRY FARM

**THURSDAY, AUGUST 28, 1986**
At 2:00 P.M.

Location: Albright Road, (Heidelberg Twp.) Lebanon County, Pa. Directions: Take Route 419 North from Route 897 in Schaefferstown approx. 2 miles to Albright Rd. 1st farm on the left.

Dairy consists of 46 comfort stalls, 50 free stalls, 2" S.S. pipeline with 8 Surge milking units. The barn has a Patz barn cleaner, 3" vacuum line, some tile in feed trough, 1250 gal. Mojonnier bulk milk tank, calf pens and young stock growing area. There is a 20'x84' silo w/Patz unloader, 20'x70' w/Van Dale unloader, 12'x60' w/Patz unloader, 36'x40' implement shed workshop, 3 car garage, 5 bedroom stone farm house circa 1823. The home is nicely modernized and remodeled and has oil fired hot water heat. There is 1½ baths, laundry and freezer room, Large eatin modern kitchen w/birch cabinetry. The well is a 60' drilled well with approx. 60 gal. per min. and has installed a softener system, and a nitrate filter.

The farm has excellent Hagerstown & Duffield Limestone soil and is in a high state of cultivation.

**TERMS OF ABSOLUTE AUCTION: The minimum acceptable bid is $275,000.00 and competitive bidding will start and advance to the highest bidder being the successful purchaser at which time Buyer shall pay down $27,500.00 which will be held in the Escrow account of the Auctioneer until April 1, 1987 at which time the entire principal balance will become due and payable and title will transfer to the Buyer. This sale is subject to a prior sale no later than August 15, 1986.**

Sale by:
**ISAAC S. &**
**VERNA H. BRUBACKER**

SANFORD G. LEAMAN,
CAI AUCTIONEER
Lic. #AU-532-L (717) 569-4264
For appt. to see call Auctioneer

## Public Auction Register

Closing Date Monday 5 00 P M
of each week s publication

# PUBLIC AUCTION

Located south of Hagerstown, Md. on Route 65 (Sharpsburg Pike) at the complex of the Maryland Correctional Institution, Hagerstown, Maryland.

**WED., AUGUST 20, 1986**
at 10:00 A.M.

**Farm Machinery-** John Deere 115 chuck wagon; Brillion double cultipacker; Massey Ferguson loader w/manure bucket for 135; Fox 6 ft. direct cut head; Int. 2 bottom pull type plow; JD 3 pt. 2 row corn planter; Hardie 450 gal. orchard sprayer w/booms; portable sludge tank w/motor & pump; Allis Chalmers single row no-till planter; Mayrath 40 ft. elevator; spring tooth harrows; 2 wheel stock trailer; Ferrell seed cleaner; silage carts; dirt scoop; barb wire; used tractor tires; Metal fence posts; assorted large bolts; cut nails; platform scale.

**SHOP TOOLS AND MISC.**

Lathe, milling machines, elec. hacksaws, etc. selling for parts or scrap; lg. air compressor; Barrett floor hoist; lg. pipe vise; lg. elec. motors; mechanics floor jacks; air hammers; star drill bits; angle iron cutter; pick, fork, rake, hoe heads; hand chisels; wheel barrow frames; pry bars; digging irons; forges; furnace blowers; wench; V belts; dump truck body; pickup utility body; garbage cooker; stainless tables, sinks, cookers; meat track hooks & track, wooden & metal snatch blocks; assorted wooden ladders & step ladders; 51 ft. triple alum. extension ladders; chicken plucker; roll plastic hose; cable; assorted covered wire; lg. cast pipe sections; other metals; metal blueprint cabinet; metal shelving; wire baskets; assorted outdoor lights; used slate 1"x3'3"x6'10"; Jacobsen reel type riding lawn mower, Jari snow blowers.

**Special Mention:** Wicker (basket) sleigh; 3 early high wooden wheel hose reel carts; barber chain.

**Note: Everything is to be sold in "as is" condition. Inspection will be sale day after 8:00 A.M. For information call Mr. Poole at (301) 733-2800 extension 387.**

**Terms- Cash- Not responsible for accidents.**

**MARYLAND CORRECTIONAL INSTITUTION**
Hagerstown, Maryland
Auctioneer: Robert C. Mullendore
Clerk: C.L. Metz
Lunch Available Sale Day

SAT. AUG. 30 - 11AM Horse Sale Keister's Middleburg Auction, along Rt. 522, Middleburg, PA.

SAT. AUG. 30 - 11AM Consignment auction of old & new farm toys. New Holland, PA at Main Fire Hall Building, East Main St. Auct. Dale Stoltzfus, Gap, PA.

SAT. AUG. 30 - 11AM 25 Acre Farmette w/beautifully situated home, Farm Eq., Feeds, Tools, HH. Between Gettysburg & Chambersburg on New Rt. 30 thence turning E. onto Rt #234-3 mis. on the Buchanan Valley Rd. in Franklin Twp., Adams Co., PA. Mr. & Mrs. Robert Brown, Owners. Clair R. Slaybaugh, Auct.

SAT. AUG. 30 - 11AM 80 Acre Farm. Cumberland Co., 2 mis. S. of Centerville, ¼ mi. off Rt. 233. From I-81 Newville, Exit 11, take Rt. 233 S., cross Rt. 174, cross next crossroads to Penn Twp. shed, turn left and go ¼ mi. B & K Farms, Owners. Art Rife, Auct.

SAT. AUG. 30 - HH Goods, Farm Eq. Franklin Co., PA. S. of Shippensburg along Rt. 11. Harold Wenger, Owner. Sensenig's Auctioneering.

# AUCTION

FOR: LANDSCAPER'S HELPER, INC.
Old Route 309 & Ridge Road
Sellersville, PA.

**FRI., EVE. AUGUST 22, 1986**
FORD TRUCK, AUTO, TRAILER
& FORK LIFT AT 5:30 P.M.
NEW MOWERS WILL FOLLOW

This will be an **Entire Liquidation of:** New walk behind **ROTARY MOWERS,** Lawn Boy w/side catcher (7); Snapper Hi Vac. (15); Cub Cadet Roto Tillers (4); Cub Cadet Log Splitter 3½ h.p.; Ex-mark dethatcher (like new); 36" Aerator; Universal Grass Catchers; Lawn Boy & Snapper Accessories and few pieces of used equipment.

**PARTS and SERVICE MANUELS** for: Echo, Kohler, Briggs & Stratton, Tecumseh, Stihl, Poulan, Cub Cadet & Hahn.

**FORD PICK UP TRUCK-** 1984 F-250, 38,000 miles, A-Title, w/trailer towing package, power winch & fold down tailgate. **MORWOOD FLAT BED TRAILER** w/winch & fold down tailgate. **1977 CIVIC HONDA** (Needs new exhaust system; YALE - Fork Lift KG-51, 6000 lb. cap.

**SHARPENING EQUIPMENT-** Chain Saw Grinders, Quaker Maid Rotary Grinder, Reel Grinders, Bench Grinder, Blade Balancer, 14" Power Hack Saw, Table Model Drill Press.

**VARIOUS SHOP TOOLS INCLUDE-** Forney Electric Welder & Accessories; Acetylene Welding Outfit; 20 lb. Prestolite Tank w/torch; a lot of specialty tools for all types of mowers, etc.

**OTHER NEW ITEMS INCLUDE-** Approx. 500 ft. of Bulk Chain for Chain Saws, Mower, Trimmer & Tractor Parts, Batteries, Used Battery Chargers, 2- Metal Storage Racks 15', Metal Shelves 162 ft., 7 ft. ht.; 150 Gallon above ground Gas Tank w/hand pump, 60 Oil Tank w/hand pump, Metal Utilities Cabinets, Metal Cabinet w/drawer with Nuts & Bolts, Work Benches, Bench Vises, Yale ½ Ton Chain Hoist.

**OFFICE FURNITURE & EQUIPMENT-** Sweda Electric Cash Register (w/9 dept.) Fairchild Super 8 Projector; Dietzgen 4316 Reader Micro-fiche; Metal Filing Cabinet; Wooden Kneehole Desk, Advertising Signs & Electric Clocks. 4x8 Outdoor H. duty movable Sign w/plastic letters; h.wood Pallets, other Items- i.e. motor oils, paints, gas cans, and more. DO NOT MISS IT!

**TERMS: CASH, MASTERCARD, VISA and approved checks.**

**SANFORD A. ALDERFER, INC.**
Real Estate Brokers And Auctioneers
Box 1, Harleysville, PA-215-723-1171

Sanford A. Alderfer, Inc.
REAL ESTATE BROKERS and AUCTIONEERS
665 Harleysville Pike (Rt 113)
Box 1 Harleysville PA 19438

PA No. AU001117-L
LUNCH

## SEPTEMBER

MON SEPT. 1 - 8:30AM Real Estate, HH, Antiques. Along Rt. 897 leading from Rt. 272 at Swartzville to Reinholds, Lanc. Co., PA. Terms by: John Frederick & Pauline Ulrich Executors of the Cora Frederick Estate. H.H. Leid Auct. Serv.

MON. SEPT. 1 - 9AM Farmersville Auction, Farmersville, 3 mis. E. of Brownstown, Lanc. Co., PA.

MON. SEPT. 1 - 9AM Annual Sale of Farm Eq. From I-81 S. on Martinsburg, WV, take Exit #5 (Inwood), Rt. 51 E. approx. 3½ mis. to Shutt's Cash Grocery (Formerly Haines'). Turn right, .2 mi. to sale. From Charlestown, WV. Take Rt. 51 W. go approx. 8½ mis. to Shutt's Cash Grocery, turn left, .2 of mi. to sale. Edgar A. Bohrer, Sale Mgr.

MON. SEPT. 1 - Light Farm Eq. for Harvey & Mary Wanger. Along Rt. 501 in the village of Reistville, Leb. Co. Auct. G. Harvey Weik.

THURS. SEPT. 4 - 7PM Three Adjoining Farms, 264 Acres. Located 5 mis. N. of Gettysburg, PA, or 1 mi. S. of Biglerville, PA, along Rt. 34 turn W. onto Zeigler Mill Rd. and Rose Lane to farms. Sale by Owners: Mrs. Mary A. Walker & Mr. Charles W. Wolf. C. David Redding, Auct.

FRI. SEPT. 5 - 9AM Fall Consignment Sale of All Kinds of Farm Mach. & Tools. At the Belleville Livestock Mkt., Belleville, PA. Belleville Livestock Mkt., Inc.

FRI. SEPT. 5 - 11AM 50 Head of Holstein Dairy Cattle. Located along Fisher Rd., Mechanicsburg, PA. Mervin Ruppert, Owner. Sensenig's Auctioneering.

FRI. SEPT. 5 - 5:30PM Gap Auction, Antiques & HH sold at every auction. Located off Rt. 41, Lancaster Turkey Hill Minit Mkt., cross RR bridge. Ira Stoltzfus & Son, Aucts.

FRI. SEPT. 5 - 7PM Horse Sale. New Holland Sales Stables, Inc., New Holland, PA

SAT. SEPT. 6 - 8AM Show; 1PM Sale Eastern Columbia Sheep Breeder's Assoc. Show & Sale--Ram & Ewe. Fairgrounds, Findlay, Ohio.

SAT. SEPT. 6 - 9AM Real Estate, Antiques & Collectibles, HH. 478 W. Main St., Elizabethville, PA. Dockey, Dockey & Deppen, Aucts.

# FARM MACHINERY AUCTION

**SATURDAY, AUGUST 23, 1986**
at 10:30 A.M.
Middletown, N.Y. For M. Barmann & Sons INC.
Rt. 6, New Hampton, N.Y. just out of Middletown, N.Y. From Rt. 84 use exit 3W to Rt. 6 to farm!

After 50 years M. Barmann & Sons have discontinued their milking and crop farming operations and offer their farm machinery at auction! This is a dispersal Auction!

**10:30 A.M.** - steam cleaner, pressure washer, barn tools, etc! As is - Hesston SP mower, 2 balers, dump rake etc.

**11 A.M. - Tractors** - J.D. 4020 DL w/power shift A-1, Ford 6600 DL, WF, 3 PTH, clean, 2 - Fords 5000's DL and gas, Ford 841 w/3 PTH, Ferguson 30 w/3 PTH, Farmall Super M, Massey F-85, Case SC, 72 Dodge cattle truck 14 ft. body.

**Hay Equip.** - 2-New Holland #479 haybines, 1-Ford and 1 wheel rake, J.D. #327 and #336 hay balers w/kickers, 90 ft. mow conveyor, 2-40 ft. elevators, 5-Farm Bilt Metal 18 ft. x 8 ft. hay wagons like new, 1 metal 18 ft. hay wagon.

**Forage** - IHC # 120 chuck wagon w/12 Ton gear and roof, Artsway tandem chuck wagon, Hesston 2000-100 2R corn chopper, NH 717 w/1R & haylage hds, AC #780 w/2R and haylage hds, 2-IHC #56 and Gehl hopper blowers.

**Tillage & Misc.** - J.D. 7000 maxi merge 4R corn planter, IHC #710 - 6 btm reset plow, IHC - 10 ft. hyd disc, 400 gal sprayer, **Manure Spreaders** - Meyers #225 w/gate, NH #519 w/gate, MF #160, Hawk Built #2195 barrel, 2-NI flails.

**Also Selling Same Day - From Ted Hofstee Port Jervis, N.Y.**

1980 IHC - #1086 DL tractor w/cab loaded 1600 hrs real sharp, IHC #720 - 6 btm reset plow, New Holland #479 Haybine, haylage hd for 717, Gehl #99 hopper blower, 2-metal kicker hay wagons, plus more. Plan now to Attend this Auction for good Ready to Work Equipment! Not Responsible for accidents! Lunch - Terms - Cash or Good Check w/proper I.D Paid in Full Sale Day!

OWNERS
**M. BARMANN & SONS INC.**
914-343-6875

Sale Conducted By
Col. Fred R. Daniel Auctioneers INC.
Neshanic Sta., N.J. 201-369-4784
(A Full Service Auction Co.)

# PUBLIC AUCTION

**MONDAY, SEPTEMBER 8, 1986**
10:00 A.M.
LOCATION: Lebanon Area Fairgrounds, Lebanon County, Pa.

**TRACTORS - COMBINES - FARM MACHINERY**

We are now accepting items for our fall machinery auction Please call early to have your items advertised All types of farm machinery, related items, vehicles, etc to be sold on a commission For more information call any of the following numbers.

DENNIS GRUMBINE
(717) 272-4641

GLENN & DAVE WENGER
(717) 866-2135

Auction by
**LEBANON VALLEY AUTION COMPANY INC.**

HARRY H. BACHMAN - Auctioneer
(717) 867-1809 AU-000033-L

SAT. SEPT. 6 - 9AM Juniata Co., PA, 1 mi. from Seven Stars. 54 Acre Farm, Cabin, 3 Tracts of Land, Antiques, Farm Machinery, etc. Estate of Annie M. Smith. Chuck McGarvey, Auct.

SAT. SEPT. 6 - 9:30AM HH, Antiques & Collectibles, Coins, Guns. 606 W. Main St., (Rt. 25) Valley View, Schuylkill Co., PA. Marvin R. & Doris J. Lettich, Owners. Mike & George Deibert Aucts.

SAT. SEPT. 6 - 9:30AM Real Estate, Antiques, HH, Tools. Located 1800 West Main St., Ephrata, along Rt. 322, Clay Twp., Lanc. Co., PA. By: G. Lester & Mary A. White. J&P Auctions.

SAT. SEPT. 6 - 10AM Hay Sale. On PA Rt. 24 between Stewartstown & New Park. York Co. Livestock Sales Ltd. Stan & Mary Nagle, Owners.

SAT. SEPT. 6 - 1PM 2 Acre Farmette, Personal Property. RD 4 Denver, Rt. 272 N. of Ephrata to traffic light at Reamstown. Turn left to Denver, turn right at Ephrata National Bank Branch to stop sign turn left on Monroe St. to property on left. By: Earl K. & Patricia L. Hertzog. Randal Kline, Lloyd Kreider & Roy Good, Jr., Aucts.

MON. SEPT. 8 - 10AM Lebanon Valley Auction Co. Fall Machinery Auction. Lebanon Area Fairgrounds, Lebanon, PA. Harry H. Bachman, Auct.

MON. SEPT. 8 - 3PM Lawn & Garden Consignment Auction. Located Farmersville Equipment, Farmersville, PA. Paul E. Martin & John D. Stauffer, Aucts.

TUES. SEPT. 9 - Complete Holstein Herd Dispersal, Standing Corn & Hay. Located from Denver take Rt. 272 N. past Zinn's Diner to Rt. 897, turn right on 897 S. approx. 3 mis. to Chestnut Hill Rd. Turn right on Chestnut Hill Rd. go to first crossroad, turn left on Woodland Drive to first farm on right. Eli Z. Martin, Owner. Roy Good, Jr., Randal V. Kline, & Lloyd H. Kreider, Aucts.

WED. SEPT. 10 - 9AM Antiques, Collectibles. To the rear of 619 Water Street, Northumberland, PA. Charlotte & Claude K. Wilson, Owners. Dockey, Dockey & Deppen, Aucts.

# ANNUAL PUBLIC SALE

From Interstate 81 South of Martinsburg, W. Va., Take Exit #5 (Inwood) W. Va., Route 51 East approximately 3½ miles to Shutt's Cash Grocery (Formerly Haines') Turn right - .2 of a mile to sale -- OR -- From Charles Town, W. Va. Take Route 51 West, Go approximately 8½ miles to Shutt's Cash Grocery - Turn left - .2 of a mile to sale.

## MONDAY, SEPT. 1, 1986

AT 9:00 A.M.

TRACTORS AND EQUIPMENT: Approximately 20-25 tractors including Cubs, Fords, John Deere, Internationals, Fergusens and other tractors. We will also be offering 2 and 3 axle trailers, a good selection of plows, cultivators, wagons, new and used rotary cutters, 6 and 7 foot blades, post hole diggers, discs, wood saws, rakes, balers, round balers, grain elevators, corn pickers, corn planters, and other farm related articles.

ALSO: 1949 Pontiac Silver Streak - Runs well - All original.

1972 Virginia 12x50 2 bdrm mobile home.

WE will also be offering a good selection of NEW AND USED TOOLS – Canned goods, Hams and other food items. Some household articles. CUZ of Pennsylvania will be here with watches, tapestries, crystal and sewing material.

TERMS: CASH OR GOOD CHECK. NOTHING TO BE REMOVED UNTIL SETTLED FOR. ID REQUIRED TO ACQUIRE BIDDING NUMBER.

SALE MGR.
**EDGAR A. BOHRER**
W. VA. LIC. #18-87
304-229-8354

NOTE: THIS IS A CONSIGNMENT SALE. Let us turn your unused farm articles, household articles, and antiques into cash for you. If you are considering having an auction, please contact us. We would be pleased to serve your needs.

ORDER OF SALE: SMALL ITEMS: Tools, household articles, food, etc. will be offered promptly at 9 a.m.; TRACTORS AND EQUIPMENT: Will be offered promptly at 12 NOON.

NOT RESPONSIBLE FOR ACCIDENTS ON PREMISES
LUNCH RIGHTS RESERVED

# PUBLIC SALE

OF

## HOUSEHOLD GOODS, ANTIQUES & FARM EQUPMENT
## SATURDAY, AUGUST 30, 1986 - 10:00 A.M.

LOCATION: Franklin Co., Pa. - Along Rt. 11, approx. 7 miles north of Chambersburg and approx. 4 miles south of Shippensburg. Sale signs posted.

### ANTIQUES & HOUSEHOLD GOODS

Four shelf light oak bookcase and writing desk; combination oak bookcase & writing desk with beveled mirror; soft wood gate leg table painted black with painted flower design and 4 matching plank bottom chairs; 3 rocking chairs; 1 old large pressed back rocker; Early American high chair; saddlebench; Mahogany Empire chest of drawers; walnut 4 leg dropleaf table w/drawer; pine dovetail blanket chest; ladies dressing table w/3 mirrors and winged looking glass; single seat old school desk; pine base cabinet; Veneer Waterfall 4 piece bedroom set; Veneer Waterfall dining table, buffet & 4 chairs; sofa, 4 ft. double keyboard Baldwin organ; Hardman grand piano; twin beds & mattress; several dressers & stands; steamer trunk; 4 Early American chairs (1 Reed seat, 1 Rush seat); old red wooden wheelbarrow; National Geographic magazines (1972-1975); children's top; multiple other household articles.

### FARM EQUIPMENT

TRACTORS: Int. 656 gas, hydrostatic; Int. 574 gas w/Duall loader; Farmall M.T.A.; Farmall C.

Int. forage harvester, 2 row (W.R.) and grass head; Dion blower; Int. 4 row corn planter; 2 elevators; 16' hay rack (farm built); Case 655 self-propelled haybine; Int. 46 baler; N.I. manure spreader; 2 Dion forage wagons; Walsh sprayer; 9 ft. Bushhog disc; Int. 8' disc; J.D. side rake; Int. 234 2 row corn picker; J.D. flail chopper; 2 flat bed wagons; 2 cultipackers; wagon load of small misc. items.

Approx. 60 acres of standing field corn to be sold in 5 different lots.

TERMS: Cash or good check, I.D. required.
ORDER OF SALE: Antiques & household goods, farm equip.

AUCTIONEERS:
Melvin Sensenig 776-5054
Lamar Sensenig 532-9160
Lic. #AU-001803-L
CLERKS: Eberly & Weaver

Sale by:
**MR. & MRS. HAROLD WENGER**
7001 Molly Pitcher Highway
Shippensburg, Pa.
717-532-6504

Lunch stand reserved - Not responsible for accidents

# GAP AUCTION

## FRIDAY EVE., AUGUST 22

5:30 P.M.

Located off Route 41 - Lancaster Avenue Opposite Turkey Hill Minit Market - Cross RR Bridge

ANTIQUES AND HOUSEHOLD GOODS SOLD AT EVERY AUCTION.

CONSIGNMENTS ON MONDAYS FROM 8:00 A.M. to 7:00 P.M.

**IRA STOLTZFUS & SONS, Auctioneers**
442-4936 or 442-8254
AU000907-L
CONDUCTORS ALL TYPES PUBLIC SALES

# ANTIQUE AUCTION

PAPER MEMORABILIA - FURNITURE - EARLY GERMAN - CHRISTMAS & EASTER DECORATIONS - TOYS - COLLECTIBLES - OLD CLOTHING - GLASSWARE - ADVERTISING

## SATURDAY, AUGUST 23, 1986

At 8:30 A.M.

Located on Route 183, near Summit Station, Wayne Township, Schuylkill County, Pennsylvania, at Blue Mountain Hall (Air conditioned).

EARLY TOYS - BOOKS - CUT-OUTS - Stuffed horse, elephant, dog, doll, jointed bear, bear w/top hat, tin cat, butterfly, clown and donkey, master and colored boy in car, etc. Doll house, doll furniture, tiny china-head doll plus 2 heads, Barbara Jo, horse (pull on wheels), quail, rooster, Mickey Mouse, Harpo guitar, clay marbles, Schoenhut piano, Big Little books, Orphan Annie, Shirley Temple, Mickey Mouse, Santa books and cut-outs, comic books, blocks.

CHRISTMAS AND EASTER DECORATIONS - COLLECTIBLES - 10" yellow paper mache Santa, 5" blue chaulk Santa, bird, parrot, ball, ornaments, wax figurals, large assortment cardboard decorations, Easter baskets, eggs, rabbits, pineapple butter mold, tin cookie cutters, candy containers, Spirit of St. Louis pink, Santa in chimney, Indian motorcycle, sailboat, paper mache nodders, Porter quilting frame, chalkware, mounted pheasant and squirrel, brass buckets, coffee grinder, wooden hand pumps, buckets, W.B., beam scale, cobbler set, horse leather, dough scraper, ladles, sadirons, crocks, jugs, agateware.

FURNITURE - Edison Cylinder phonograph, cylinders, Crosley table, radio, oak sideboard, Hoosier cabinet, wardrobes, p.b. rocker, 6 p.b. chairs, wash stand, tables, wicker planters, rockers, child rockers, Miller pump organ, early washstand, chestnut table, music cabinet, dep.-style bedroom suite, bucket bench, c.b. trunk.

EARLY PAPER AND TIN ADVERTISEMENTS - Post cards (advertising, Christmas, local), advertising fans, valentines, calendars (Schwalms, Smith, Dionne, Rudy), W.W. I, advertising boxes, cereal, match boxes, tins (1940's Life, Journal, Holiday, Look), 1930's Sport, True Story, dress patterns, cookbooks, baby face milk bottles, Behney milk cans, Hellick coffee cans, Acme coffee mills, Merkey lard tins, Dixie cup lids, Planters cans, assorted prints Currier and Ives, Kellogg, Etc.

GLASSWARE - EARLY CLOTHING - 1909 Martin plate P.G., St. Peters plates and cups, depression glass, pressed glass, Germany, Flow Blue, Adams, Carnival, Hall, ironstone, opalescent, quilt tops, patches, patterns, homespun, buggy blanket, tapestry, Larkin linens, doilies, comforts, blankets, feed bag material, craft items, doll clothes, baby clothes, hightop button shoes, women's dresses, coats, bonnets, flapper hats, capes, bloomers, etc. Many other items too numerous to mention.

AUCTIONEER'S NOTE: Please be prompt. Sale consists of many early and unusual items, in good condition.

TERMS: Cash or approved Pa. check, day of sale. Not responsible for accidents.

Sale ordered by:
**DARLA YESENOSKY**
P.O.A. FOR DORA MEASE

Auctioneer:
JAY RIEGEL, JR.
Phone: 717-754-7464
Lic. No. AU-001494-L

# ANNUAL FALL MACHINERY AUCTION

## FRIDAY, SEPT. 5, 1986

at 9:00 A.M.

Located at the Belleville Livestock Mkt., Belleville, Pa.

Selling all kinds of machinery and farm items, tractors and hay will be sold at 1:00 P.M.

Consignments must be in by 5:00 P.M. day before sale.

**BELLEVILLE LIVESTOCK MKT., INC.**
717-935-2146

# AUCTION

## WOOD BUTCHER'S DREAM!
## WEDNESDAY, AUG. 27, 1986

*beginning at 8:00 A.M.*

The antiques, shop equipment and supplies of the late Werner Will will be sold without reserve at the Troxelville Auction Gallery, Troxelville, Pa. A vast array of antique furniture and rare furniture parts, as well as a selection of quality wood working tools will be offered. Twenty years of collection and restoring antique furniture have resulted in a large accumulation of hard to find furniture and parts in various stages of improvement. This sale is a must for restorers, amatures and professionals alike. Make sure you bring your measurements as this volume and diversity of early parts is seldom found at one time in one place. There is no particular order of sale so come early and be prepared for a long day. Seats and food available.

Random summary of items to be sold:

18th c strap hinged blanket chest in old blue no feet, approx 36' of raised panel wainscoting, early 19th c cherry stretcher base table, end drawers missing, tapered leg desk frame with drawer in walnut, 33 ¾"x22 ¾" opening, QA table base, no drawers but good feet, large wrought iron 18th c andirons, stretcher base table base, rough but great turnings, 18th c 3 drawer blanket chest rough, rope bed rough, walnut corner cupboard top & base, great tramp art slant top desk 1 door missing, Hepplewhite bow front 4 dr chest no feet, great 6' fireplace mantel, walnut high chest, rough, tapered leg card table, pr banquet table ends, sftwd farm table, 2 dr missing, pine corner cupboard, raised panels, top door missing, schoolmaster's desk, narrow hutch table, several morticed benches, sftwd 9 pane secretary top, 36"x10¾", rope beds, dry sinks, inlaid table base, 15 pane 3 dr dutch cupboard, rough; QA swing leg table base in cherry, nice feet, rare American shoe foot tilt top trestle table base, cherry slant top desk, overlapping drawers, fair interior, no lid or feet, several 9 & 12 pane cupboard doors, many assorted size doors & drawers of all sizes, ages & conditions, many interesting table bases & tops, 18th c European arm chair, (2) corner cupboards in the rough, 2 pc wall cupboard, 18 pane dutch cupboard ready to marry, QA walnut table base & top ready to marry, blanket chest with ogee feet, salmon under blue paint, NE 5 dr chest, Hepplewhite walnut 4 dr chest, needs feet; 7 spindle bow back side chair, nice small work bench with drawers, (30) matching decorated drawers from an early hardware store in need of a case, 3 dr dec blanket chest, rough, Federal mahogany hall mirror, various stands & jelly cupboards, several peasant chairs, oak side by side, (2) lg work benches, complete dry sink cupboard, case of drawers, (2) nice bolt cabinets; several candle stand tops & bases, tapered splay leg stand, eagle butter print, pair 19th c portraits, 18th c dutch cupboard, rat tail hinges, glass doors, feet & cornice missing, great walnut flat top chest on chest, ogee feet, ready to marry, 7 dr mahog serpentine front chest, nice flat top desk base in old red, nice set of shelves in old paint, poplar 2 dr blanket chest, QA table base, cabriole leg, needs feet, nice cherry serpentine high chest with mirror, unusual 4 dr walnut farm table, approx (20) other cupboard tops & bases of all descriptions, a lot of old wood salvaged from wreckes for repairs and much more!

### TOOLS

Metal parts cabinets, many good hand tools of all descriptions, Walker Turner 10" table saw, wide asst clamps & measuring devices, finishing materials, Milwaukee pin router, like new, tap & die set (2) metal lathes, (2) wood lathes, great powermatic 18" planer, hardly used, shaper, jointer (68) molding planes, flex bed plane large amounts of hardware hinges pull latches etc

Auction conducted by:

Auctioneers
BOB, CHUCK, & RICH ROAN Inc.
Appraisers
PA. LIC #AU-000775-L

# PUBLIC SALE

of
**Antiques, Household Goods**
**Pistols - Guns**
**J. Deere Riding Mower**
**Rear Rototiller - Tools**
**WED., AUGUST 27, 1986**
**AT 9:00 A.M.**

Loc. 1370 New Danville Pike, Lancaster, PA (Take Rt. 324 just south of Lancaster). Sale by
**MR. & MRS. HENRY BAKER**

Howard Shaub
Auctioneers (AU-000831-L)

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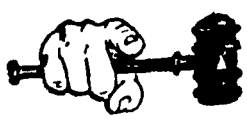
**BAREVILLE FIRE CO.**
**ELEVENTH ANNUAL**



# PUBLIC SALE

**FURNITURE, ANTIQUES, QUILTS, GLASSWARE, NEW TOOLS, GROCERIES**
**SATURDAY, AUG. 23, 1986**
At 8:30 A.M.

Located at Bareville Fire Co. along Rt. 23 between New Holland and Leola at 211 E. Main St., Leola.

**FURNITURE**

3 pc. Oak Bedroom Suite; Lane Cedar Chest; Oak Library Table; Empire Chest of Drawers; 2 Old Ext. Tables; Hoosier Type Kitchen Cabinet; Old Child's Rocker; Kitchen Range; Depression China Closet; Dressers; Metal Cabinets & Wardrobes; Bucket a Day Stove; Franklin Stove; Bookcase Double Bed; Double Mattresses; Pa. Dutch Slant Top Desk; Love Seat; Cradle; Singer Sewing Machine; Chest of Drawers; 4 Plank Bottom Chairs; 15 Office Chairs; New Wall Units; Desk; Vanity; 2 Mantel Clocks (Westminster Chimes); Milk Cans; Oil Lamps; Tin Ware; Crocks & Jugs; Copper Tea Kettle; Washboard; Cast Iron Items; Tobacco Sizer; Brass Spittoon; Ice Tongs; Plant Stands; Marble Top Table; Pitcher Pump; 2 Man Saws; Baskets; Pea & Beam Scale; Wood Barn & Silo; Agateware; Slaw Board; Depression Glass; 3 Tub Stainless Steel Sink; Benches; Jars & Canners; Fishing Creel; Cigar Mold; Hand and Garden Tools; Bicycles; Lawn Mowers; Lawn Chairs; Craft Supplies; Milk Bottles.

**APPLIANCES**

Hotpoint Wash Machine; Maytag Wash Machine; 220 V Air Conditioner; Revco Refrigerator; Brown Frigidaire Elec. Range; 9300 BTU Kerosene Heater; New Vanity.

**NEW JUMBO TRAMPOLINE,**
**J.M.D. PAGER**

**PLUMBING & WOODWORKING TOOLS**

Pipe Threaders & Cutters; Pipe Wrenches; Rigid Threader on tripod; Roto-Rooter Machine; 2 Electric Drain Cleaners; 2 Milwaukee Angele Drills; all types of Copper & Plastic Pipe Fittings; Electric Jack Hammer; New Spigots; various lengths of Plastic & Copper Pipe; Valves; Spigots; New Switches; Receptacles; Lock Sets; Carving Machine with Rockwell Router; Craftsman Power Saw; 10" Dewalt Radial Arm Saw; Craftsman Router with Bits; Mitre Boxes; Elec. Drills & Sanders; B & D Two Speed Cut Saw; Skill Circular Saw; various Levels; Planes; Hand Saws; Soldering Torch Set; 2 New Socket Sets.

A.K. King with New Tools: Cousin with Dry Goods, Watches, Glassware.

**60 QUILTS**

Country Bride, Diamond Blending Star, Giant Dahlia, Log Cabin, 4 Sisters; Wall Hangings; Pillows and other Needlecrafts.

**TRUCK LOAD OF GROCERIES**

For consignments and donations call: Ray 354-0198, Dave 656-9557, Randy 656-8919, Fire Hall 656-7554, Harvey 354-7578.

Order of sale: Groceries 8:30; New Tools 9:30; Cousin 10:30; Glassware 11:00; Furniture 1:00; Quilts 2:00.

Terms By:
**BAREVILLE FIRE CO.**

Local Auctioneers
**Breakfast Special—Serving at 7:30 A.M.**
**Lunch Available**
**No Out of State Checks**

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# PUBLIC SALE

PUBLIC SALE OF BUILDING MATERIAL, DOOR, WINDOWS, TRUSSES.
**SATURDAY, AUGUST 30, 1986**
**AT 10:00 A.M.**

At Goods Auction, 111 North Maple Ave., Leola.

Roof trusses, floor trusses, roof shingles, tin roofing, 300 doors- interior, exterior, prehung, steel, others.

Byfolds, louvers.

Two Trailer loads plywood 1/2 - 5/8 - 3/4 Tex III Tong, grove

100 Double hung windows, casement. Patio doors.

Paneling, ceiling tile, 200 Sq. vinyl siding, Trailer load saw mill lumber rough sawed. Two trailer loads mixed sized mill lumber.

20 stairs steps, lights, tar paper.

TERMS: CASH - NO OUT OF STATE CHECKS.

**GOODS AUCTION**
111 North Maple Ave.
Leola, Pa.

SORRY NO CONSIGNMENT.

Auction House # A H 000014-L

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# PUBLIC SALE

**MONDAY EVE., AUGUST 18, 1986**
**TIME: 6:00 P.M.**

**Located in Cumberland County, on Rt. 174, 2 miles west of Boiling Springs, 1 mile east of Rt. 34, at Craighead. Watch for sale signs in Boiling Springs along Rts. 34 and 174.**

**Due to the death of my husband Ray E. Otto, I will sell the following items:**

John Deere 4010 diesel, all weather cab, nice shape; Massey Ferguson 265 diesel; Royal Guardian cab, dual hydraulic, 3 pt. hitch; M.F. #235 loader with 5 ft. bucket; International 700 auto. reset plow, 4 bottom, 16 in. semi-mounted, good shape; John Deere #1250 3-16 inch plow, 3 pt. hitch, good shape; John Deere 3-14 inch plow, 3 pt. hitch; International #37 transport disc; M.F. 520 10 ft. transport disc; Western 10 ft. cultipacker; John Deere 3 section lever harrow; Dearborn 3 pt. hitch cultivator; Allis-Chalmers #600 4 row no-till corn planter, wide row with insecticide boxes; John Deere 13 disc grain drill; **John Deere #1209 mower-conditioner, good condition, this machine mowed less than 125 acres of hay;** Oliver #60T hay baler, with thrower; Walsh sprayer, 200 gal. tank, with pump; John Deere #20A 3 pt. hitch sprayer; 3 bin wagons, 2 Kill Bros. and 1 J&M with A.C. running gears; New Holland #72 6 ft. stalk shredder; Mott 3 pt. hitch #88 hammer knife mower; 200 gal. round fuel tank; Wayne 3 h.p. 2 inch water pump; 40 ft. wooden ladder; 28 ft. double aluminum ladder; Cyclone hand lawn spreader; Homelite chain saw; wheel puller; wagon jack; come-along; log chains; seven 80-lb. bags fertilizer; 2 bushel Funks G 4606 seed corn; garden hose; electrical wire; bench grinder; Westinghouse 230 amp arc welder; Ace tap & die set; 16 in. John Deere and International plow shears; many misc. items.

**Approx. 2000 bd. ft. dry oak lumber, stripped and dried indoors, 10 & 12 ft. lengths, 2 inch variable widths.**

**LAWN MOWERS**

Lagrange 8 h.p. riding mower, 38 inch cut; 2 electric push mowers.

**Not responsible for accidents.**

**TERMS: Cash or good check day of sale.**
**I.D. required for bidder's number.**

**Food stand reserved**

SALE ORDER: **Small items from wagon and large equipment.**

AUCTIONEER'S NOTE: **This is a small sale, please be prompt. All farm equipment is in excellent shape and ready to use.**

**JUNE K. OTTO**
331 East Old York Road
Carlisle, Pa. 17013

Rick Foreman, Auctioneer
Lic. #1163
Phone (717) 245-2844
Otto's, Clerks

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# PUBLIC SALE

**FRIDAY, SEPT. 12, 1986**
Time 5:00 P.M.
**REAL ESTATE AND PERSONAL PROPERTY OF DOROTHY SMITH**

1½ Mile East of Rote, Pa. 12 Mile South of Lock Haven, Pa.

Older 2 story 7 room with bath wood frame home, oil hot water heat, new furnace, large porch new, spring water, syptic system. Large pavilion in wooded area with rest rooms, fruit and nut trees. Located on 6 acres of land, along hardroad near mountain. Good hunting, fishing and recreation nearby. Would make good summer home or hunting lodge. To see Real Estate phone 717-753-5708. Real estate to be offered on reserve at 7:00 P.M. Terms: **10% down balance in 30 days.**

Auctioneer: Earl W. Weaver
Aaronsburg, Pa.
Phone 814-349-5290 Lic. #AU-000980-L

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THURS. SEPT. 11 - Farm Mach., Horses 1 mi. E. of Honey Brook. Daniel & Martha Fisher. Steve Petersheim & Steve, Jr., Aucts.

THURS. SEPT. 11 - 3:30PM Real Estate, Antiques, HH, Coins. Located along Smokestown Rd., Smokestown, PA, Denver RD4. Rt. 272 N. of Zinn's Diner to light, turn W. Rt. 897, to Smokestown Rd Lanc. Co., PA. Terms by: Ruth E. Merkel. T. Glenn & Timothy G. Horst, Aucts.

THURS. & FRI. SEPT. 11 & 12 - Two Day Sale of Farm Equip. located at Marion, PA, just east off Rt. 81, Ralph W. Horst, Manager, Marion, PA.

FRI. SEPT. 12 - 1:30PM PA State Graded Feeder Pigs. Carlisle Livestock Market, Exit 12 off I-81.

FRI. SEPT. 12 - 5PM Real Estate & Personal Property of Dorothy Smith, 1½ mi. E. of Rote, PA, 12 mis. S. of Lock Haven, PA. Earl W. Weaver, Auct.

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# AUCTION SALE

**TRUCKS- TRACTORS- FARM EQUIPMENT**
Something for all size farmers -
Everything sells regardless of price
***SATURDAY, AUGUST 30, 1986***
Beginning at 10:00 A.M.
US Rt. 50 & White-Richardson Rd.
Pittsville, Md.

**Selling for FmHA and other lending institutions.**
**Tractor- Trucks & Combine Sold At Noon.**

**Trucks:** 1980 Freightliner conv. cab, 3406 DITA, 400 hp cat. engine installed Feb. 1984; 16 speed road ranger, bud wheels on front & outside rear, radial tires; 1975 Hill 30' dump trailer on 30' frame, wet line, good tires; 1982 Chev. C-70 w/18' Russell body, only 18,000 miles, 366 engine, 5x2 transmission, dual tanks, excellent condition, Md. inspected; 1976 Chev. C-65, w/18' Meadows dump body, 5x2 trans., 17,000 miles, Md. insp.; 1974 Chev., 16' body, w/4x2 transmission; 1965 International, 15' body, w/5x2 transmission.

**Combines & Headers:** John Deere 6620 w/4 wheel drive, 216 Flex header, 1182 hours, 30.5x32 tires, Sn 404075; John Deere 6600 w/215 grain table, 1878 hours; Massey Ferguson 760 hydrostat w/18' grain head; Massey Ferguson 510 w/16' grain head; Massey Ferguson 510 w/15' grain head; John Deere 643 Corn head 30"; Massey Ferguson 43-30" Corn Head 4 Row.

**Tractors & Loaders:** Steiger Bearcat PT225 w/Cat engine, 8-18.4x38 tires, only 2074 hours, Sn 141-00086, 4 remotes; JD 4430 w/cab & air, 20.8 x 38 tires, dual remotes, 2537 hours, Sn 053056R; Case 2290 w/cab & air, only 1018 hours, w/power shift, 20.8 x 38 tires, nice; JD 4230 w/cab & air, dual remotes, 1992 hours, 18.4 x 38 tires; JD 2840, dual remotes, 1293 hours, 18.4 x 34 tires; JD 148 loader; Ford Jubilee, runs great; AC 175, w/1132 hours, 18.4x28 tires, power adjust wheels; Case 1070 AgriKing, 2791 hours, 18.4x38 tires; Ford 8700 w/cab, 3415 hours; Farmall 856 w/QT-1 cab, 5026 hours; Ford 6600, 1745 hours; Massey Ferguson 1105 w/cab & air; Massey Ferguson 1085 w/cab, parts only; Massey Ferguson 180, power adjust wheels; John Deere 620 tricycle; Farmall M - for parts only.

**Planter & Drills:** JD 7000, 6 row w/insecticide & reg. no-till coulter and monitor; JD 7000, 4 row planter w/fertilizer & insecticide - plate; IH 510 drill, 21 spout, double disc openers w/single depth bans; JD 8300 grain drill, 21' spout, double disc openers w/single depth bans; JD 7000, 6 row w/fert/insect; IH 56, 4 row w/insecticide & midwest rake; JD Van Brant drill; JD 694 planter; 2 - JD 494 planters; MF - 43 - 22 spout Drill.

**Implements:** New Idea 213 spreader with spread; New Idea tandem axle manure spreader w/top beater and bellie bar; Bush hog 160 rotary cutter; John Blue 1000 gal. tandem axle sprayer w/hydraulic & agitation, stainless; John Blue 300 gal. sprayer; Brillion 30' packer; Wil-Rich 30' field cultivator; Brillion 6 row S tine cultivator; Lily Roteria 15'; 7' rotary cutter w/transport; Yetter 6 row rotary hoe, very good; Clark 200 gal. sprayer; JD 3 section drag; JD 7' cycle bar mower; 5' rotary cutter; Old Ford front loader; 3 section drag; MF 4 row cultivator; MF grader blade; Long 5' bush hog; 36 blade disc; IH 4 row cultivator; Agrotec saddle tanks; Clark 150 3 pt. sprayer; JD 7' rotary cutter; 1 row trencher; Brillion 12 solid packer; Brillion 14' Crowsfoot; Westco 4 row S tine cultivator; Brillion 16' packer; IH 6 row cultivator; Westago 6 row cultivator; Brillion 16' mulcher; Reddish ditcher; Long 5' mower; MF rotary mower.

**Wagons:** 30' storage trailer; 1 Gehl 10 ton wagon w/910 forage body; 3 Gehl 8 ton wagons, all nice; 4 wheel wagon w/turn table; Donohoe 30' implement wagon w/sliding axles.

**Disc & Plows:** Krause 1927 hydraulift, need 1 left cyl.; JD 40 blade 9" disc; JD 6 x 16 F1350-F1450; Sunflower 18' chisel; AC 4 x 16 plows; Oliver 3 x 16 plows; IH 44 blade 475 - 7½ space; Ferguson 10' chisel; Pittsburg 48 blade 7½ space; MF 520 disc; Case 6 x 16 plows; JD BWA 28 blade; Case 1800, 12' chisel, 3 pt. or pull; IH 5' rotary cutter; Kiawanna 40B disc; Brillion 12 chisel plow; Case 28 blade disc; IH 550 5x16 plows; MF 6 x 16; MF 4 x 16.

**Hauling Available**

**Inspection: Almost all of the items will be on the lot by August 13th. To drive or test come August 28 & 29. Call for prior arrangements.**

**Directions: 12 miles East of Salisbury, Md., on US Rt. 50; 17 miles west of Ocean City, Md.**

**Terms: Good check on day of sale.**

**The above described personal property will be sold without regard to race, color, religion, sex, age, national origin or marital status.**

**FARMERS HOME ADMINISTRATION**
**PRIMARY SELLER**

Pete Richardson Auction Sales
P.O. Box 51, Willards, Md. 21874
Phones: (301) 546-2425 Office
(301) 742-6220 Home

## Public Auction Register

Closing Date Monday, 5 00 P M
of each week's publication

FRI. SEPT. 12 - 5:30PM Gap Auction. Antiques & HH sold at every auction. Located off Rt. 41, Lancaster Turkey Hill Minit Mkt., cross RR bridge. Ira Stoltzfus & Son, Aucts.

SAT. SEPT. 13 - 9:30AM Antique Furniture, Collectibles, Dishes, HH, Tools, Lumber. Approx. 5 mis. E. of Millersburg. Proceed on Rt. 209, turn N. onto Landis Rd. at Brethren in Christ Church, proceed approx. 2 mis. to sale. Estate of John J. Kahler. David D. Deibler & Edwin Shoop, Aucts.

SAT. SEPT. 13 - 10AM Flea Market. ON PA Rt. 24 between Stewartstown & New Park. York Co. Livestock Sales Ltd. Stan & Mary Nagle, Owners.

SAT. SEPT. 13 - 10AM Guns & Related Items. Held at Willow Street All Star Community Bldg., Willow Street, PA. Kreider & Kline Aucts., agent for owner.

SAT. SEPT. 13 - 11AM Lanchester Christian Schools Heifer Sale. Located 6 mis. E. of Lancaster along Rt. 30 at the Guernsey Sale Pavalion, Lanc., PA. Sale Chairman, Calvin Beiler.

SAT. SEPT. 13 - Quilts, etc. Honey Brook Fire Co. Steve Petersheim & Steve Jr., Aucts.

# PUBLIC AUCTION

## THREE (3) ADJOINING FARMS
## 264 ACRES NORTH OF GETTYSBURG, PA. 264 ACRES

**The undersigned will offer at public auction the following described farms, located, 5 miles North of Gettysburg, PA or 1 mile South of Biglerville, PA - along Route 34 turn West onto Zeigler Mill Road and Rose Lane to farms (sale signs posted) - on**

## THURSDAY EVE., SEPT. 4- 7:00 P.M.

**Farms owned by the late ALDA M. MILLER of Harrisburg, PA and formerly known as the MARCH FARMS.**

**All three farms located in Butler Township, Adams County, PA.**

**FARM NO. 1** - Approx. 83.2 acres, consisting of approx. 47 tillable, balance woodland and pasture, having approx. 2000 ft. frontage along Zeigler Mill Road, 500 ft. frontage along Rose Lane, 275 ft. along Russell Tavern Road, and 2400 ft. frontage along the Conewago Creek. This tract is improved with a 26 ft by 30 ft 2½-story frame home with attached enclosed sunporch and summer kitchen. Home contains kitchen, combination dining and living room, sitting room w/brick fireplace, 4 bedrooms, bath, partial basement and has natural gas hot water heat. Property has own well and septic and other misc. buildings.

**FARM NO. 2-** Approx. 64.6 acres, consisting of approx. 50 acres tillable, and balance pasture, having approx. 750 ft. frontage along Rose Lane being improved with a 27 ft. by 45 ft. combination brick and frame with siding 2½-story home, containing small kitchen, dining room w/fireplace, TV room, 4 bedrooms and 2 baths. Home has storage attic, metal roof, side porch and balcony, part cement basement with natural gas hot water baseboard heat.

Other improvement is a 68 ft. by 48 ft. frame bank barn with metal roof, attached overshot and wagon shed. This tract has own well and septic and a small stream.

**FARM NO. 3-** Approx. 117.7 acres, consisting of approx. 87 acres tillable, balance woodland & pasture, having approx. 2500 ft. frontage along Rose Lane and 400 ft. frontage along the Beecherstown Road, improved with a 28 ft. by 23 ft. 2-story frame home with an attached 19 ft. by 17 ft. room, containing combination dining room & kitchen, den, TV room w/brick fireplace, 2 bedrooms, sewing room and bath. Home has open front porch, basement, oil fired hot water heat and storage attic.

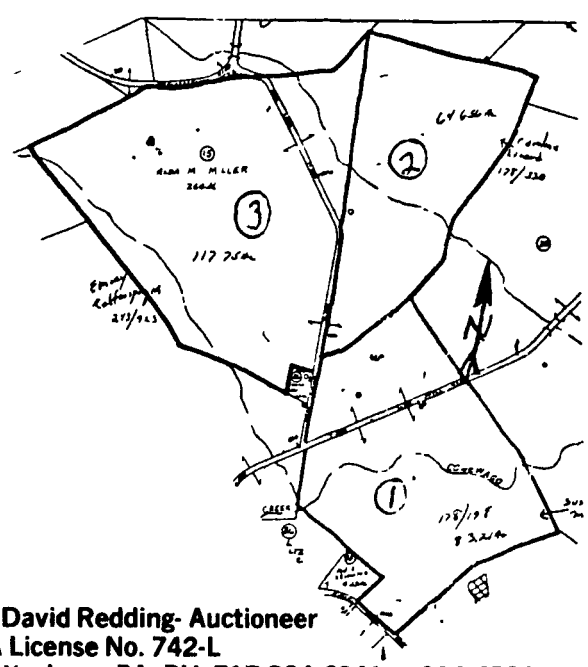
Other improvement is a 80 ft. by 50 ft. frame bank barn with an attached 22 ft. overshot, having metal roof and a nice cement stave silo w/metal roof. This tract has own well & septic.

**Public Inspection of Farms: Sunday, August 17- 2:00-4:00 P.M.- Other Inspections- Appointment Only- Contact undersigned auctioneer.**

**Auctioneer's Note: If looking for farms and acreage that offers many possibilities, located only minutes from all town facilities - Plan to attend this sale. Sale held at Farm No. 3.**

**Terms of Real Estate: 10% down at time of sale - Balance on or before 60 days - Other terms at sale.**

**Sale by Owners:**
**MRS. MARY A. WALKER**
**5690-A York Road**
**New Oxford, PA**
**MR. CHARLES W. WOLF**
**225 Lincoln Way East**
**New Oxford, PA**
**ATTORNEYS IN FACT for the owners**




**C. David Redding- Auctioneer**
**PA License No. 742-L**
**Gettysburg, PA- PH: 717-334-6941 or 334-6598**
**Wolf- Oyler & Gault- Attorneys**

# PUBLIC AUCTION

## THURSDAY, AUGUST 21, 1986
**9:30 A.M.**

**ESTATE OF DR. ELEANOR HALLMAN**

**LOCATED: 2 miles East of Abbottstown - Along Rt. 30 at Little Red School House.**

Dining Room Table w/End Extensions, Log Bench, Wooden Arm Chair, Spool End Table, Wooden Folding Benches, Plank Chairs, Old Pump Organs (York), 30 Cast Iron School Desks, Pie Safe, Player Pianos, Potty Chair, 6 Leg Dining Room Table, Empire Chest Of Drawers, Wooden Bar Chairs, Show Case, Kerosene Bracket Lights, Treadle Sewing Machine, Wash Stand, Fainting Couch, Bucket Sink Cabinet, Wooden Wheel Express Wagon, Frames Of Victorian Furniture, Dining Room Chairs, Deacon Bench, Shadow Box, Glass Top Counter w/Brass Frame, Cast Iron Chunk Stoves, Benches, Wooden Lockers, School Bells, Helman Turkish Cigarette Sign, White Porcelain Cook Stove, Wood Box, Sausage Stuffer, Weaver Pump Organ - York, PA, School Master Desk, Rattan Furniture - (Love Seat, Peacock Chair, 2 Chairs), Bucket A Day Stove, Coal Buckets, 4 Drawer File Cabinet, Wooden Desk, Linen.

Butcher Furnace, Wooden Sled, Buck Saw, 2 Seated Buggy Frame, Meat Grinder, Harness Bench, Hammes, 20 Buggy Seats, 10 Picnic Tables w/Metal Frames & Wood Top & Seat, Buggy & Wagon Wheels, Horse Shafts, Horse Collars, Old Cash Register, Spring Wagon, Buggy Frames & Many Items Too Numerous To Mention.

**TERMS: CASH OR GOOD CHECK.**
**Estate of DR. ELEANOR HALLMAN**
**Executor: Evalene Badnaruk**
**AUCTIONEER: Blaine N. Rentzel**
**Emigsville, PA**
**717-764-6412**
**PA Lic. #761-L**

# MACHINERY AUCTION

**Wayne & Shirley Foreman,**
**Walton, New York**

## SATURDAY, AUGUST 23, 1986
**1 P.M.**

**Having discontinued their dairy operation, Wayne & Shirley Foreman have commissioned us to sell all of their machinery at their farm located 2 mis. from Walton on the Franklin Road County Rt. 21. Farm is located 45 mis. N. of Binghamton, NY. Use Franklin Exit off I-88.**

IH 1086 Dsl. tractor w/cab, AC, heater, only 1749 hrs.; IH 966 Dsl. tractor, only 2680 hrs.; Farmall Super C tractor; 1972 Chevrolet C60 truck w/24' rack and overhang, only 13,000 original miles; NH 258 rake; NH 479 haybine; NH 273 baler w/kicker; Fahr hay tedder; 3 hay wagons w/kicker racks; NH 770 field chopper w/elec. controls, 2 R corn and grass PU heads; Dion self unloading wagon; Gehl self unloading wagon; GT silage dump box w/roof on heavy running gear, like new; NH 26 blower; Brillion 10' packer seeder; crop sprayer; NI 3 pt. fert. spreader; IH 56, 4 R corn planter; IH 710 semi mount auto. reset 4B plows; IH 270, 12' offset disk; Hawk 257 tandem axle barrel manure spreader; hay & grain elevator; 20' hay elevator; elec. bedding chopper.

This machinery was bought new by Mr. Foreman and always kept inside. It is all in excellent condition. If you are in need of well-cared for field ready machinery, make plans to attend this sale. Probably the best line of machinery sold in New York State this year. Be on time, there are no small tools.

Inspection invited any time prior to sale time.

**Terms: Cash or good check day of sale. New out of state buyers please bring bank letter of credit.**

**Owners:**
**WAYNE & SHIRLEY FOREMAN**
**Walton, New York**
**607-865-5716**

**Sale By:**
**Franklin Used Eq. Sales, Inc.**
**Franklin, New York**
**607-829-5172**
**Pete Robinson & Frank Walker, Aucts.**

# PUBLIC AUCTION

## ORDERED SOLD BY ESTATE OF A.H. RENEHAN

**APPLE JUICE PROCESSING AND PACKAGING EQUIPMENT**
**PLUS CLARK AND YALE FORKLIFTS AND 40' TRAILER**

**Sale on the Premises**
**A.H. RENEHAN & SONS**
**350 West Friendship Road**
**Old Rt. 32 and Railroad**
**Sykesville, Maryland 21784**

## WEDNESDAY, AUGUST 20TH
AT 10 30 A M

**PLANT AND EQUIPMENT WAS OPERATIONAL AS OF FEBRUARY, 1986**

46 Oz. 404 x 700 Can Line, Glass Bottle Line, SS Tanks, Pumps, SS Filters, Misc. Equip.

**TERMS: Cash or Certified Funds only at Time and Place of Sale. Company or Personal Checks only When Accompanied by a Current and Valid Bank Letter of Guarantee. TWO DAY REMOVAL.**

**INSPECTION: Sat. Aug. 9 and Tues. Aug. 19; 1-3 PM and 9 AM Day of Sale.**

**FOR A COMPLETE LISTING OR SALE ITEMS, SEE AUCTION SECTION IN THE BALTIMORE SUN, AUG. 10 and AUG. 17.**

**ADAMS & WINER**
auctioneers, inc

**2720 Sisson Street,**
**Balto., Md. 21211**
**(301) 366-8300 800-638-4412**

# PUBLIC SALE

**OF**
**FARM & HOGHOUSE EQUIP.**

## THURSDAY, AUGUST 21, 1986
**at 10:00 A.M.**

**LOCATION: Berks Co., Pa. From Rt. 897 in Blainsport take Texter Mt. Rd. to top of mountain. Turn right onto Five Points Rd. Farm on corner. From square of Newmanstown take South Sheridan Rd. to Newmanstown Rd. Follow to Texter Mt. Rd. and then to Five Points Rd. From Wernersville State Hospital take Texter Mt. Rd. to Five Points Rd. Sale signs posted day of sale.**

### FARM EQUIPMENT

M.F. 1155 with Cab - 3300 hrs. - Good Condition, Better Bilt #3150 tandem axle manure spreader w/heavy duty 1000 R.P.M. pump, Rhino rock-flex 10' disk harrow, Kill Bros. #375 gravity bin w/extension sides on 12 T. gear, Paul B. Zimmerman 300 gal. field sprayer, M.F.S. 8"x55' grain auger, 5' King Cutter bush mower, 16' flatbed wagon w/high sides and rear gate for hogs, Sauder 7' spring-trip snow plow, Snowco 48" grain cleaner w/8" loading auger and fine screen for small grain, 3½"x10' Mayrath auger w/motor, P.B. Zimmerman 1000 PSI pressure washer.

### HOGHOUSE EQUIPMENT

5 T. feed bin w/divider and augers, 6 T. feed bin w/divider and augers, 30 farrowing crates, 10 nursery decks w/feeders, 2 Martin-Air Fans, 150'x4' of hoghouse curtain w/hardware, 30" fan w/1½ h.p. motor, 30 units creosoted lumber on metal stands, raised decks for farrowing crates, White L.P. gas heater, 30 pcs. 5'x7' woven wire, oil-fired hot water furnace w/160' of hot water radiation heat pipe, 275 gal. oil tank, 8'5" concrete slats, lots of hog feeders, round feeders and Smidley feeders, piles of scrap iron, old barn logs, other items not listed.

23'x28' corn barn to be removed from premises.

**NOTE:** The Sensenigs have sold their farm for development and will continue farming in a different location. For this reason, all hog facilities will be removed from premises. Lots of hog and hog-related equipment will be sold. If you are thinking of building or remodeling in the near future, don't miss this sale.

**Terms by:**
**CARL & NOREEN SENSENIG**
**Robesonia, Pa.**

**Sale Conducted By:**
**SENSENIG AUCT.**
**Shippensburg, Pa.**
**532-9160 or 776-5054**
**Lic. #AU-001803-L**

**Refreshments Served**
**Not Responsible for Accidents**

# Dairy and Livestock Sales

WED. SEPT. 17 - 1:30PM 70 Acre Dairy Farm. Located Salsbury Twp., Lanc. Co., PA. Along 340.

20 mis. E. of Lancaster City. 4 mis. E. of Intercourse. 1 mi. W. of White Horse. Hershey & Marguerite Kurtz, Owners. Steve & Steve Jr. Petersheim, Aucts.

THURS. SEPT. 18 - 7PM Sulbra Sell-a-Bration 1986, Woods Auct Service, Mansfield, PA.

FRI. SEPT. 19 - 9AM Farm Eq. New Holland Sales Stables, Inc New Holland, PA.

FRI. SEPT. 19 - 5:30PM Gap Auction. Antiques & HH sold at every auction. Located off Rt 41, Lancaster Turkey Hill Minit Mkt., cross RR bridge. Ira Stoltzfus & Son, Aucts.

FRI SEPT. 19 - 6:30PM Feeder Pig & Feeder Cattle Sale. Keister's Middleburg Auction, along Rt 522, Middleburg, PA.

FRI. SEPT. 19 - 7:30PM Disaster Relief Heifer Auction. Sponsored by the Church of the Brethren at the Lebanon Area Fairgrounds. Clair Kreider, Mgr., 717-464-5033.

SAT. SEPT. 20 - 9AM Loy F. Hare Estate 100 Years Accumulation of Fine Antiques, HH, Lawn & Garden Eq., Lumber, etc. Located off Rt. 34 midway between Mt. Holly Springs & Carlisle turning E. on Rt. 174, 7 mis. to Allen (Churchtown) thence turning S. at square to 348 Old Stonehouse Rd. in Cumberland Co., PA Clair R. Slaybaugh, Auct.

SAT. SEPT. 20 - 9AM Real Estate, Farm Tools, Farm Eq., HH, Antiques. Located 4 mis. SW of Millersville, 1 mi. N. of Safe Harbor, along Walnut Hill Rd., Manor Twp., Lanc. Co., PA. Anna M (Parke) Kauffman, Owner Diffenbach's Auction Service.

SAT. SEPT. 20 - 9:30AM Fall Consignment Sale. Penns Valley Livestock Auction, Centre Hall, PA Scott Yocum.

SAT. SEPT. 20 - 10 AM Hay Sale. On PA Rt 24 between Stewartstown & New Park. York Co. Livestock Sales Ltd. Stan & Mary Nagle, Owners.

SAT. SEPT. 20 - 10:30AM 4 Tractors, Backhoe, SP Combine. For Estate of Paul E. Esche, Rt. 601, Skillman, NJ. ¼ mi. N. of Skillman Post Office 5 mi. NE of Hopewell, NJ. Use Rt. 518 to 601, 12 mis. SW of Somerville, NJ, use Rt. 206, S. to Rt. 601. S. to farm. Col. Fred R. Daniel Aucts., Inc.

WED. SEPT. 24 - 6:30PM Gentleman's Farmette, Country Living. Between Yoe, PA, and Red Lion, PA, on Springwood Road, York Co., York Twp. Mr. & Mrs. Frank Ferdinand, Owners. Blaine N. Rentzel, Auct.

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***ANNUAL LABOR DAY***

## CONSIGNMENT AUCTION

***FARM EQUIPMENT & RELATED ITEMS***

**MONDAY, SEPT. 1, 1986**

9 a.m.

Located at the auction barn in America Corner, MD, on HWY. 621 between Federalsburg, MD, and Denton, MD.

**TRACTORS- COMBINES- TRUCKS- TILLAGE EQUIPMENT- LUMBER- TOOLS**

**and other farm related items**

Early listing: Stieger 310 Panther tractor; 30' Krause disk; 24' Krause chisel plow; 13' chisel plow; Model 260 tanks w/John Blue pump; Krause conveyor; fuel wagon.

Selling with three auctioneers. Forklift and loading ramp available. Call today to list your equipment for advertising. Receiving equipment on Friday August 29, Saturday August 30 and up to sale time on Monday.

**Terms: Cash or approved check with letter from bank guaranteeing funds.**

A. Curtis Andrew Auction, Inc.
301-479-0756
301-754-8826

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## PUBLIC AUCTION

**SATURDAY, AUG. 23, 1986**

10:30 A.M.

at 250 Highland Ave. Upper Providence Township, Media, Delaware Co., Pa.

Selling at 1:00 p.m.

1935 Lincoln Limousine, V12, in original condition, last inspection 1951.

Also at 10:30 a.m.

**ANTIQUES & HOUSEHOLD GOODS**

6 piece Wicker Porch Set; New Haven Player Piano; Camel Back Sofa w/claw & ball feet; Mahogany tea tables; 6 piece Mahogany dining piece; Early walnut 18 Century Rush Seat Chair; Oak bookcase w/green leaded top; Victorian parlor chairs; 3 Wallace Nuttings; Victor talking machine; Oak china cabinet; Many other items.

Auctioneer: George H. Wilson
AU001020-L
215-459-3194
Franklin J. Seyfert, Attorney

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## PUBLIC AUCTION

***FARM MACHINERY***
***HOUSEHOLD GOODS***
***SATURDAY, AUG. 30, 1986***
***10 A.M.***

Located 24 Miles So. of Lancaster. From Lancaster take Rt. 272 So. to Wakefield, at Wakefield take Rt. 222 So. 2 miles to the Village of New Texas, turn West, go 1 mile to sale.

730 Case tractor, gas; WD Allis Chalmers; 1974 GMC pick up, 27,000 miles, needs body work; Allis Chalmers 60 combine; AC disc harrow; cultipacker; JD 3 pt. 64 blower w/pipe; spring harrow; shovel harrow; 2&3 bottom plows; scraper blade; loader bail fork; ladder wagon; wooden ext. ladder; alum. ladder; step ladder; buck saw; grindstone; post hole digger; hay hooks; air compressor; wheel barrow seeder; Howe platform scales; 3 unit Surge milker pump; 3 Surge milker pails; 2 strainers; stainless steel washtub.

Sears Suburban 10 hrp. 6 speed riding mower; Yamaha dirt bike; two 8 ft. truck caps; Polaris Colt 295 Snowmobile; Craftsman lawn mower, mtd 5 hrp. rototiller.

Dinner bell; dresser; sofa bed; metal desk; Singer treadle sewing machine; Zenith tv; Sentry safe on wheels; guns. Many items to numerous to mention. No out of state checks unless known by Auctioneers or seller.

***TERMS BY***
***MADELEIN W. ASSO***

AUCTIONEERS: LLOYD KREIDER, AU000513L
RANDAL KLINE, ROY GOOD, GARY SHIRK

Refreshments

Kreider & Kline Auctioneers

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## PUBLIC SALE

**FEED AND GRAIN HANDLING & STORAGE EQUIPMENT**
**5 TRUCKS 4 - BUILDINGS TO BE REMOVED**
**TOOLS & TIRES - NEW TRUCK PARTS**
**CONCRETE PANELS**

**THURSDAY, AUGUST 21, 1986**

**9:30 A.M.**

Located in the village of Paradise on Meadow Lane. From Route 30 go north at the Presbyterian Church. 7 miles east of Lancaster City.

### 5 Trucks & Trailer

1974 White Freightliner TA tractor, C.O.E. 350 Cummins diesel, 13 speed, wet line, new way air suspension, aluminum Budd wheels, radial tires, very good condition; 1970 International 1890 Loadstar, 18' Omaha standard dump bed, 3100 G.V.W. grain sides, cattle racks, good running condition, nice truck; 1974 International 4 wheel drive pickup, V8 auto., in good condition; 1962 Butler 850 cu. ft. aluminum dry bulk tank trailer, tandem axle, radial tires; 1968 10 series Chevrolet pickup, V8 engine, good running condition; 1967 Chevrolet pickup, needs work; Wheel Horse 800 series riding mower, electric start.

### Truck Parts Etc.

2 truck hoods, Peterbuilt & Mack; 2 steel tool boxes; 2 fuel tanks; chrome exhaust pipe; 2 air seats, both high back in good condition, 1 Eldorado, 1 Bosterman level air; new parts as follows: Peterbuilt air bag; maxi brake chamber; wheel bearings & seals; heater hose; brake parts; air lines; belts; P.T.O.'s; filters; valves; lights; all kinds of lenses.

### Truck Tires & Wheels

9 new recaps; 5 Bridgestone radials 11x25 '5; 2 radials 10x20; plus others all in good condition; tire cage; 5- 10x20 steel Bud rims; other tubeless rims.

### Grain Equipment - Steel Structure

130' Cardinal leg bucket elevator, 3000 bu./hr. capacity, sells w/motor & twin head; approx. 200' down pipe sells separate; Carbon 12x12x6 switch box sells separate; 4- 22 ton Read grain storage bins on steel legs; 5000 bu. dryer storage bin; 800 bu. round metal corn crib; **Farm Fans portable corn dryer;** A.B. 12; approx. 250' 16 ga. blower pipe and dust collectors; steel structure consists of 6- 8" I beams 17' long, 2- 24" I beams 32' long and 4- 12" I beams 14' long, sell as 1 unit with braces.

### Feed, Milling & Storage Equipment

Large stationary hammer mill, auto. feed w/blower, 50 hp motor w/starter, sells as complete unit w/switch boxes, in nice condition; molasses pump; 2 stationary 3 ton feed mixers complete w/motors; 10" U trough w/paddle conveyor, 37' long, like new; approx. 110' grain augers in 10' sections; 14" U trough auger 27' long; Molasses blender; 3 hp vari drive motor w/reduction gear complete w/mount; **37,000 lb. truck scales w/digital readout; portable platform scales like new;** 2- 30" exhaust fans; Cardinal single chain elevator; metal bulk feed bins, approx. 35 ton capacity.

### 4 Buildings to be Removed

53x55 bank barn, new roof; 140x24- 2 story shed, tongue & groove siding, solid sheating tin roof, also 26x24 addition; 34x100 pole building, insulated; 90x30 block & frame building w/big timber & 38x40 addition.

### Shop Tools - Gas & Fuel Tanks - Etc.

Dayton 3 hp air compressor; Giant high pressure washer 220 amp., 100' high pressure hose; Lincoln eletric welder; electric bench grinder; transmission oil pump; approx. 6 hydraulic jacks to 30 ton capacity; 40 ton floor jack, needs some work; oil fired hot air furnace; all kinds of log chains and binders; all sizes of truck tarps; air hand tools; 375 gallon Milkeeper bulk tank; **500 gallon propane gas tank,** ½ full of propane gas; 2 slat conveyors 1- 50'; 5 bundles roof shingles; 2 rolls roofing paper; 2- 2000 gallon steel tanks; approx 5000 gallon steel tank ½ full of molasses; 2- 550 gallon fuel tanks; 30" diameter 8' concrete pipe; parts washer; **8 concrete panels, 8'x8' 8" thick;** pile concrete block; 11 steel knee braces; feed carts; 50 gallon drums; 3 new cattle oilers; approx. 15 electric motors, all sizes; foot lockers; oak office desk; old pitcher pump; plumbing & electrical supplies; file cabinets.

**For appointments to see things call 687-0990 or stop during business hours.**

Owners:
**NAAMAN L. & ANN EBERLY**

Auctioneer:

Steve
Steve Jr. PETERSHEIM:
717-786-4624
Lic. #AU-001349-L

Food On Premises
COMPLETE DISPERSAL

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## WILLIAM & LINDA DAVIS
## COMPLETE DISPERSAL

R.D. #2, Greene, N.Y. (Chenango Co.)

**FRIDAY, AUGUST 22, 1986** 11:00 A.M.

**Sale to be held on the farm on the Indian Brook Road. Turn off Rt. 206 (4 miles West of Greene or 7 miles East of Whitney Point) to Indian Brook Rd. Go 1 mile to Farm.**

### 60- GOOD HOLSTEINS- 60

**51 Mature Cows of which:** 8 are fresh, 11 due Aug. thru Oct. 11 due Nov. thru Jan. balance in all stages. 1 good Hol. Service Bull. 8 yearling age heifers (2 are Reg.). 5 of the mature cows are Reg. (2 are Jemini's). Some of the dams had records w/over 1,000 fat. This good herd consists of mostly 1st & 2nd Calf. Cattle w/the right kind of udders. They were on DHIA test up till April. Will Have a milk & fat test before sale. The herd has been pregnancy examined, Blood & TB tested and are ready for immediate interstate shipment day of sale.

### MACHINERY

Oliver 1655 diesel Tractor w/year round Cab & Wide Front, 18.4x34 rubber, real sharp; Case 1030 diesel Tractor WF w/18.4x38 rubber, a real horse; Oliver 880 diesel Tractor WF, 16.9x38 rubber; Minneapolis Moline #5 diesel Tractor w/Wide Front, a dandy; N.H. 469 Haybine; Fahr 4 Umbrella Tedder; J.D. Side Rake; N.H. 268 Baler w/Thrower; 1 Kicker Wagon on Running Gear; Allied 32 ft. Skeleton elevator; Melroe 5 Btm. Semi-Mount Spring Reset Plow; J.D. Transport Harrow; J.D. Pull Type 2 Row Corn Planter; Gehl 3 btr SU Wagon w/Roof on Tandem Gear; Gehl 300 Chopper w/2 Row Corn Head; Pickup Head; Gehl 300 Chopper for Parts; Gehl Hi-Throw Blower; N.I. 214 Single Beater Manure Spreader; J.D. 3 pt. 7 ft. Back Blade, new in winter; J.D. #506 3 pt. Rotary Mower; ALSO SELLING: 4 Horse or Stock Trailer, Bumper Hitch, works good.

### BARN EQUIP.— SILO— PRODUCE

Uebler 770 Electric Feed Cart, good shape; Ideal Bedding Chopper w/8 HP Briggs & Stratton engine; Patz Barn Cleaner, Counter-Clockwise, 14" Paddles w/approx. 260 ft. of Chain, new in Jan.; 16x62 Empire Concrete Stave Standing Silo, not very old; Jamesway 16 ft. ring drive Silo Unloader good shape: **PRODUCE:** 1500 Bales of this years 1st cutting hay, all in June; Approx. 150 tons of good 1st cutting Haylage; 400 Gal. Ice Bank Tank & 3 HP Compressor to be sold separate.

**P.S.- Farm is sold & the Davis' are moving to Florida.**
**A good complete Dispersal- Don't Miss It!**
**Terms- Cash or Good Checks w/Positive ID**

Owners-
**WILLIAM & LINDA DAVIS**

MEL MANASSE
Sales Managers & Auctioneers
Whitney Point, New York
607-692-4540 or Toll Free
NYS only 1-800-MANASSE
Lunch Available

## Dairy and Livestock Sales

# PUBLIC SALE
### OF 80 ACRE FARM
## SATURDAY, AUGUST 30, 1986
11:00 A.M.

**Located in Cumberland County 2 miles south of Centerville, ¼ mile off Route 233. From I-81 Newville Exit 11, take Route 233 south, cross Route 174, cross next crossroads to Penn Township shed, turn left and go ¼ mile. Watch for signs.**

Farm consists of 80 Acres (more or less) of Murrill Loam soil. 78 Acres tillable. One about new 60 feet by 120 feet Morton aluminum building with liner for storing small grains. Fairly level land. Good well. Land has been maintained to the maximum soil test requirements.

Approximately 2,160 feet of road frontage.

Inspection by appointment, call (717) 263-5279 evenings.

**Terms 10% down, balance on or before January 1, 1987.**

**B & K FARMS** (Owners)
R.D. 1 Newville, PA 17241
Art. Rife, Auct. #AU-768-L
Ph. (717) 776-3645
Roger M. Morgenthal, Attorney
Sale of farm equipment at a later date

# PUBLIC SALE
## SATURDAY, AUGUST 23, 1986
**AT 10:00 A.M.**

**Due to selling farm will have public sale on the premises, located ¼ mile west of East Berlin, on Route #234 take Fish & Game Rd. ½ mile. Adams County, Pa.**

### EQUIPMENT

800 Case Tractor, 88 Oliver Dispersal Tractor w/Super Kit, Case Transport Disc Harrow, 2 Disc Harrows, Case McD. Field Sprayer w/Plastic Tank, Case Manure Spreader, 4 Wagons 1 w/High Racks, 5 Combines, A.C., M.M., Int., All For Parts, 2 Disc Plows For H or M Tractor, Massey-Harris Self-Propelled Corn Picker, For Parts, J.D., M.M., McD., Corn Picker For Parts, 2 No. 77 N.H. Balers For Parts, 4 Side Rakes, 2 J.D., 1 Case, 1 McD., A.C., Silo Blower w/9 in. Pipe, 14 ft. Jamesway Silo Unloader, Hammer Mill, G.M.C. Pickup Truck, 1948 Dodge Pickup, 1951 Ford 1 Ton Truck, 2 Creep Feeders for Cattle, 2 Corn Shellers, 10 Ton Chain Hoist, Milk Cans, Wheelbarrow, 2 Wisconsin Motors, 2 Roto Tillers, 16 ft. Lake & Sea Motor Boat, No Motor, w/Trailer, Several Fuel Tanks w/Pumps, 2 Wagon Loads of Small Farm Tools, Many Items Not Listed.

**TERMS - Cash or Good Check**

**Owners:**
**ARTHUR C. LOPER**
**ERNEST D. LOPER JR.**

**Clair Slaybaugh, Auctioneer**
**#856 L**
**C. Jacobs, Clerk**

# COMPLETE DISPERSAL
# Commercial Angus Cattle And Farm Equipment
## OF COURTLAND FARM
Leesburg, Virginia
## SATURDAY, AUGUST 23, 1986
10:30 A.M.
* * * SELLING * * *
### 393 HEAD OF CATTLE
160 Cows & Calves - 50 Steers - 500 to 800 lbs.
14 Dry Cows - 8 Registered Angus Bulls
1 Registered Limousin Bull

### EQUIPMENT

**TRACTORS:**

J.D #2550, full cab, air condition, 4x4, 458 hrs. (New Aug. 85) J.D. #2040 w/2917 hrs.; J.D #2940 w/2577 hrs.; J.D. #430 Lawn tractor, diesel 59" mowing deck, 125 hrs.; J.D. #420 Lawn Tractor 59" mowing deck, 539 hrs.

**TRUCKS:**

85' Ford F-250 ¾ ton diesel pickup, air condition, 4 speed, 4x4 6.9 liter 21,000 miles; 81' F-250 Custom 4x4, 4 speed, 77,914 miles; 75' C-60 Chevrolet truck, 427 engine, 5-2 speed transmission, (new motor), 81' Cherokee 18 ft livestock trailer, 6 ft wide; 79 W.W 30 ft livestock trailer.

**HAY EQUIPMENT:**

Gehl #1850 Round Baler, new belts 85', Hydraulic tie; J.D #1209 mower conditioner, 9 ft., J.D. #350 mower, 2 blades, 7 ft ; J D. #660 hay rake w/dolly wheel; Pequea hay tedder, PTO.

**OTHER:**

J.D. #175 loader; FMC side winder rotary cutter, 7x7; Woods batwing rotary cutter; J .D. #88 blade; Model 534 bulldozer blade w/9 ft moldboard; Gehl wagon, 6 ton wagon gear; Tandem axle manure spreader, Post drivers and diggers; Disk; Air compressor, Shop tools Plus much much more!!!

COLEMAN Sales Inc.
Rt. 1 Box 11 Scottsville, VA 24590

Farm Manager:
David Kirk
703/777-7944

DIRECTIONS:
On U.S. 15, 6 miles South of Leesburg, 16 miles North of I-66 and 25 miles North of Warrenton.

# PUBLIC AUCTION
### ANTIQUES, FINE FURNITURE & COLLECTIBLES
## WEDNESDAY, AUG. 20, 1986
5:00 P.M.
Annville, Pa.

**Auction to be held in our gallery. Located at 18 E. Main St., Annville, Pa. Only 10 min. from Hershey on 422.**

**FURNITURE:** Set of Ballenback chairs, oak stacking book shelfs, lg. mahag. china closet w/glass doors, highly carved oak sideboard, oak bow front china closet w/claw feet, oak bow front carved china closet w/claw feet & mirrors in back, beautiful Viet. carved wooden & upholstered rocker, William & Merry desk, 2 Governor Winthrob desks, primative cupboard top, oriental cupboard, Neidlepoint Q.A. style chairs, Winsor style desk chairs, Neidlepoint foot stools, Viet. white marble top chest of drawers, beautiful mahag. corner china closet, set of 6 harp back chairs, mahag, chest of drawers w/mirror, Q.A. style table w/claw feet, mahag. drop leaf, fainting couch, blanket chest, wood box, tool chest, wrighting desk, rocker w/side drawer, cherry upholstered chair w/claw feet, Viet. style jelly cupboard, walnut chest of drawers w/mirror, walnut bureau w/mirror. Emaculant: 12 piece walnut dep. style dining room set. (Completely Refinished).

**ANTIQUES & COLLECTIBLES:** Quilts, pressed & pattern glass, cutt glass, baskets, stoneware, R.S. Prussia, asst. dep. glass, carnival, Austria, oil lamps, Germany pcs. irons, metal bank of school house, Hershey souvenirs, 10 cent mills slot mach., childs sleigh, coverlet by W.M. Ney Meyerstown, doll cradle, powder puff pillow, table lamps, prints, ten set, crocks & jugs, 3 brass train whistles, solts, many sterling pcs. including (salts, sugar & creamer, candle holders, thimbles etc.) beaded bags, doorstops, linens, R.R. lantern, shawl, spitton, cookie cutters, set of silverware.

8 Hummels, dolls including (Saucy Walker, Madom Alexander, McGuffic Anna & Baby Genius, Horseman Doll, Heuback Kappelsdorf, $25 w/painted bisque head on compo body, chestnut head doll); Stoneware Rabbit Mould, ink well, Vict. cream/sugar, Iron dog, Oak Victor talking mach., Santa Claus Xmas balls and many other items to numerous to mention.

**Parking at municipal lot behind bank at square.**

**Terms: Immediate payment by cash, Mastercard or Visa. Checks accepted w/bank letter of credit.**

VISA · MEMBER

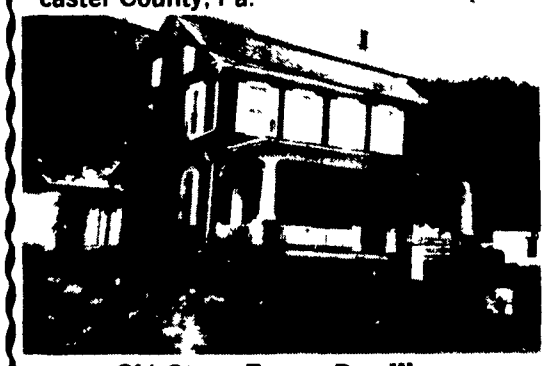
FORTNA'S
Annville Auction Co & Gallery
18 E. Main St., Annville, Pa. 17003
Michael R. Fortna
Auctioneer
Phone (717) 867 1370 or 717-687-4451
Aucl Lic #AU-001711 L

**G. Lester & Mary A. White**

# PUBLIC AUCTION
J&P AUCTIONS
### REAL ESTATE - ANTIQUES HOUSEHOLD GOODS - TOOLS
## SATURDAY, SEPT. 6, 1986
AUCTION TIME: 9:30 A.M.
REAL ESTATE: 2:00 P.M.

**3.607 ACRES ZONED N. COMMERCIAL**

**Located at 1800 West Main St., Ephrata, along Route 322, Clay Township, Lancaster County, Pa.**



### 2½ Story Frame Dwelling

Containing on First Floor: Large Kitchen, Laundry Room, ½ BATH, Sewing Room, Living Room, Family Room, Second Floor Has FOUR BEDROOMS, Bath, Balcony. Full Attic Area. Basement with Cement Floor and Cold Cellar. COAL FIRED Hot Water Baseboard Heat, Aujto. Feed, S/W Hookup.

* MACADEM DRIVE * LARGE BARN * 3 CISTERNS * ON LOT SEWER * 138 FEET FRONTAGE * MATURE SHADE * GARAGE AREA * PRESSURE SYSTEM * DOUBLE STAIRWAYS * 823 FEET DEPTH

**NOTE:** If you are looking for an INVESTMENT or a PROPERTY for COUNTRY LIVING, CHECK OUT the MANY POSSIBILITIES of this one, at an EXCELLENT LOCATION. ZONED NEIGHBORHOOD COMMERCIAL.

**OPEN HOUSE:** Saturday, August 23 and August 30, from 12:00 noon to 3:00 p.m., or for private showing now, call PAUL E. MARTIN at 717-733-3511.

**TERMS: 10% Down Day of Auction. Balance at Settlement in Approximately 60 Days. All herein Information Is Believed To Be Accurate, But Is Being Used For Advertising Purposes Only.**

AUCTION BY:
**G. LESTER & MARY A. WHITE**
1800 W. Main St., Ephrata, Pa.
**Auction Conducted By:**
J&P AUCTIONS
PAUL E. MARTIN AUCT.
AU001600-L
Ephrata, Pa. 717-733-3511
JOHN D. STAUFFER, Auct.
AU001509-L
Lititz, Pa. 717-665-5099
MICHAEL P. KANE, Attorney
FOOD AT AUCTION

***RAN-DA-TIM FARM***

# COMPLETE MILKING HERD DISPERSAL
## *THURSDAY, AUGUST 28, 1986*
***12:00 Noon***

**Located in Upper Dauphin Co., at Halifax, Pa. Go North on Rt. 225 to Fisherville, Pa., turn right toward Enders, Pa., about 3 miles to farm.**

### 50 REGISTERED HOLSTEINS 50
**Certified & Accredited- Vaccinated**
**-30 Day Test**

Rolling Herd Average: 21,027m 722f 659 Protein.
6 Classified V.G.; 21 Good Plus (Will be reclassified before sale)
Several 2 yr. records over 20,000m.

Majority are homebred and raised; 16 are 1st & 2nd lactation animals. 20 fresh July & August; 10 animals in this herd have peaked over 100 lbs. per day.

**A few featured animals are:**

An 86 pt. Marvex with over 26,000m 850f; due in November to Marlu Basic; Dam is an 87 pt. Molly Chief with 26,000m 930f.

A Good Plus Jemini with 25,000m 900f- due Sept. 7 to Ned Boy; Dam is an EX First Million daughter with over 18,000m. Sells with yearling Brown King Saul Son.

A Good Plus Jet Stream with a 4 yr. old record of 24,968m 800f- due in August to Breezyview Job Royal Stewart (Potential VG Cow).

Also selling is her daughter by Mars Tony- fresh in July (fancy udder).

An 86 pt. Marvex selling just fresh- last lactation 27,042m 4.0 1078f 944 protein- milking 95 lbs.

Special Mention- A January Show Calf sired by Ned Boy- Dam is an 86 pt. Ivanhoe Jack with 25,000m 900f.

Also selling- 10 more heifer calves- many show prospects sired by top A.I. Bulls and high-production dams.

**Sires & Service Sires represented include-**

Chairman, Ned Boy, Molly Chief, Job Royal Stewart, Chief Stewart, Jet Stream, Rocket, Jemini, Marvex, Wiseman, Mars Tony, Superior, Forecaster, Valor, Basic, Big Al, Glenview Joe and others.

***ROY AND TIM WILBERT,*** Owners
R.D. 1, Halifax, Pa.
717 362-8747
Mark Glick, Auctioneer
Reedsville, Pa. AU-349-L
Art Kling, Pedigrees
Landisburg, Pa.

AUCTION SERVICE KLING'S

Lunch- Sale Under Tent- Catalogs

## ALL DAY & NIGHT SALE

## WEDNESDAY, AUGUST 20, 1986

**Located: Just West of Lancaster, Pa. At 1531 Manheim Pike, Along Rt. 72 at Rt. 72 & 283 Exits.**

**SELLING WED., AUG. 20 AT 9:00 A.M.**

TRACTORS: HARVESTERS; 1 & 2 row corn pickers; corn planters; corn shellers; flail-rotary & cycle mowers; alfalfa & grain drills; fertilizer spreaders; loaders; bin & forage wagons; N.H. rake; elevators; Plows, int. reset plow, cultimulcher, Disc Harrows, Cultipackers, manure spreader; post drivers; new & used tractor tires; scraper blades; HUFF PAY LOADER, CAB, D. GM engine, boom, bucket & sno-plow; dump truck & others.

### SALE BY C.E. KEENER

**SELLING WED., AUG. 20 1986 AT 6:00 P.M.**

### ABSOLUTE AUCTION

225 Lincoln welder; 36-O Blast All sand blaster; two heavy duty air compressors; Steam Jenny; acetylene torch & cart; heavy duty press; wheel pulleys; crow bars; jacks; electric drills; bits; wrenches; shelving; 20 parts bins; 12 new PTO shafts; four tanks w/pumps; several work benches (2 w/vices); two electric grinders (1 portable); two portable shop heaters; three battery chargers; two floor jacks; long ram jack; 500 gal. gas tank w/elec. pump; 12 fluorescent hanging lights; 4 fire extinguishers; office equipment; three desks; 2 chairs, Apple photo copy 2 E Printer; calculator; time clock; metal cabinet; 7-file cabinets; plus items not listed.

**LUNCH AVAILABLE**

**NO OUT OF STATE CHECKS unless known by Auctioneers or Owners.**

SALE BY

**KEENER EQUIP. INC.**

AUCTIONEERS

C.H. WOLGEMUTH & SONS Lic. #1036
R.D. #2, Manheim, Ph. 717-665-5664
B. Rentzel - Lic. #761
Emigsville, Pa. Ph. 717-764-6412

## CONSIGNMENT SALE

### SATURDAY, AUGUST 30, 1986

**AT 10:00 A.M.**

LOCATION: Williams Grove Historical Steam Engine Association. 10 miles South of Harrisburg off Rt. 15 or 74. From I-81 North take Exit 15. From I-81 South take Exit 18. Turnpike Exit 17. Mechanicsburg, Pa. Watch for signs.

### ANTIQUES TRACTORS & MACHINERY

Hand crank John Deere H w/cult. & plow; 1940 L; Allis Chalmers 1938 WC; Farmall F-12; Allis Chalmers WD; Fordson track road grader; Case model L; 1948 SC Case; Huber AU 18-36 w/book; Huber L; Massey Harris pony w/plow & cult.; 2 Huber thrashers; Ellis Keystone stationary wooden thrasher; Dearborne combine; NH 7' sickle bar mower; MH 2-bottom FH plow; 2 standard twin steel wheel garden tractors; walk behind garden tractor; Syracuse 12" walking plow; tractor & machinery parts; plow shears; owners manuals & lots more.

### STEAM ENGINE, GAS ENGINE & ANTIQUE AUTOS

Built model traction engine, nice; IH 1½ HP gas engine; 1932 Ford model B dump truck; 1937 Buick 4-door special, nice; 1941 2-door Chevy; 1951 Chevy ½ ton pick-up; 1953 Cadillac; 1964 Chevy ½ ton panel truck.

**NOTE: Several more items are expected before sale day. Some items may be sold prior to sale. Nothing excepted on sale day.**

**TERMS: Cash or certified check only. No out of state checks. Not responsible for accidents, fire, theft or damage. All items must be removed within 10 days.**

AUCTIONEERS:

Little Ike Eichelberger #1954L
Melvin Haines #379L
Ralph Brenneman #708L

**For information call Sundays:**
**Ronnie Brandt (717) 766-4001**

# Dairy and Livestock Sales

## PUBLIC SALE

### OF FURNITURE MANUFACTURE EQUIP.-SUPPLIES AND UNFINISHED FURNITURE

MYERSTOWN, PA.

### TUESDAY, AUGUST 26, 1986

***At 5:30 P.M.***

**Sale to be held at Weaver's Star Motors, 1 mile east of Myerstown, (along Rt. 422), Lebanon Co., PA.**

### TOOLS & EQUIPMENT

Double Belt Sander (table mounted with disc & belt); 2 Craftsman Band Saws (table mounted); Craftsman Router (table mounted); 10" Craftsman Table Saw; Craftsman Drill Press; Centry Heavy Duty Drill Press (16 speed); 15 H.P. Time Saver Speed Belt Sander & Polisher; 5 H.P. Double Drum Sander; 3 H.P. Sander (2850-3450 RPM); 10" Craftsman Radial Arm Saw (2½ H.P.); 2 H.P. Magna Force Compressor (120 psi - 22 gal. tank); 5 H.P. Champion Air Compressor (upright tank); 6" Craftsman Jointer; Pallet Carrier (steering); Pull Cart (steel wheels); 2-10 Gal. Paint Pressure Pots; 3- Binks 200 Spray Nozzles; Packing Blankets; Exhaust Fans; 24" Belt Conveyor (conveys 1 floor level).

### MATERIALS

Rolls Upholstery Fabric; Chest of Drawers; 55 gal. Drums Rosewood Stain; 55 gal. Drums Lacquer Sealer; 55 gal. Drum Gloss Varnish & C05 Varnish; Large Assortment Unfinished Bunk Beds, Chairs, Tables and Table Tops; SCREWS; STAPLES & HOLE PLUGS; Foam Material and other items to be sold!

Terms By

**RICHARD WEAVER**

717-866-4312

T. Glenn Horst, Auct.
859-1331—AU00438L
Timothy G. Horst, Auct.
738-1245—AU001767L

MON. thru FRI. SEPT. 22 to 26 - PA All American Dairy Show, Farm Show Complex, Harrisburg, PA. The Six Breed Show of All Americans. Charles A. Itle, Manager.

FRI EVE. SEPT 26 - At Kling's Sale Barn, RD1, Landisburg, PA "3rd Annual Fall Invitational." Kling's Auction Service, Sale Mgrs.

FRI. SEPT 26 - Annual Dairy Show & Sale. Show 11AM, Sale 1:30PM. Penns Valley Livestock Auction, Centre Hall, PA. Scott Yocum.

FRI. SEPT. 26 - 5:30PM Gap Auction. Antiques & HH sold at every auction. Located off Rt. 41, Lancaster Turkey Hill Minit Mkt., cross RR bridge. Ira Stoltzfus & Son, Aucts.

FRI. SEPT. 26 - 7PM New Saddle & Tack. Red Carpet Horse Sale, Cambria Co. Fairgrounds, Rt. 219N., Ebensburg, PA. K. Hines, C. Rowe.

SAT. SEPT. 27 - 9AM Antiques & Collectibles. Estate of Harrold H. Heintzelman, 490 Orange St., Northumberland, PA. Dockey, Dockey & Deppen, Aucts.

SAT. SEPT. 27 - 11AM 45 Open & Bred Hi Grade Heifers, Farm Mach. Springville, PA, Susq. Co., on Rt. 29. R. Hewitt Sutton, Owner. M.L. Bunnell Auct. & Sale Mgr.

SAT. SEPT. 27 - 12 Noon Catalog Registered Horse. Red Carpet Horse Sale, Cambria Co. Fairgrounds, Rt. 219N., Ebensburg, PA. K. Hines, C. Rowe.

## WILMER & MARK KRAYBILL MILKING HERD, BRED HEIFER & CALF DISPERSAL

### AUGUST 21, 1986 10:30 A.M.

Elverson, PA

**Location: 30 miles east of Lancaster along Rt. 23 between Morgantown and Elverson. From PA Turnpike Exit 22, Morgantown, take Rt. 10 South ¼ mile, go east on Rt. 23 2 miles to farm on the right. Watch for sale signs.**

### 90 REGISTERED HOLSTEINS 90

**55 Milking Age 15 Bred Heifers 20 calves under 1 yr.**
**14 Due July-Aug. 20 Due Sept.-Oct.**

**FEATURING:**

**10 GENERATIONS VG OR EX BY JEMINI**
Fountain Farm Jem Marquis VG-87 EX MS
3-5 365 21,460 3.6 771
2-1 365 20,572 3.5 725
Due September to Ned Boy

**EX GMD NET PROFIT AND HER 4 DAUS. SELL**
Caernarvon Profit Jane EX EX MS GMD
7-3 365 23,571 3.6 852
8-5 365 22,863 3.6 814
lifetime over 150,000
Fresh June Her Ned Boy Heifer calf sells
Her dam is also a GMD and over 29,000

**THREE OUTSTANDING YOUNG VALIANTS**
Dimon-Acres Valiant Smith VG-87 2 yrs.
Proj. 2-4 17,091 551
Due Dec. to Ned Boy
Dam GP-84 Marvex Next Dam EX 23,000

Penn-Lite Valiant Delight
2 yr. old Fresh May
Dam: 7-4 365 25,144 3.5 885

Manormead Valiant Pansy
Fresh July
Dam GP-84 Bootmaker over 19,000

**HER 3 VG DAUGHTERS**
Penn-Lite Tradition Jody VG
by Tradition Fresh April
2-5 324 16,829 3.6 611
Index +539 +7 .-07 +$44

Penn-Lite Persuader Jubilee VG-86
2-10 335 22,110 4.1 905
3-11 365 22,957 3.7 848
Fresh July

Penn-Lite Fuse Janet VG
7-4 365 23,136 3.5 814
Ivanhoe Star Granddaughter
Fresh May

CLASSIFICATION: 1 EX 15 VG 14 GP 5 from EX Dams - 32 from VG Dams RHA 17,785 3.4 613
Sires Include: Bell, 7; Chairman, 7; Pete, 3; Valiant, 3; Ned Boy, Rotate, Enchantment, Lot, Tradition, Mars Tony
Service Sires: Mandingo, Lot, Ned Boy, Chairman, Melvin
Semen Selling: 9 units Fisher-Place Mandingo 8 units Lekker Valiant Royalty
Sale in Tent Interstate Tested DHIA Records Preg. Exam. Cert. & Acc.

Owners:
Wilmer G. & Mark B. Kraybill
Elverson R. 3 Box 21, PA
215-286-9576 (Barn) 215-286-6130 (Home)
Ringmen: John Umble, Omar Stoltzfus

For Catalogs contact Sale Manager
Sale Manager-Pedigrees:
Dale L. Hoover
R 4 Box 805, Lebanon, PA 17042
717-867-2489
Auctioneer: Leon Kurtz AU-000522-L
Cochranville, PA 215-593-5387

## COMPLETE DAIRY HERD DISPERSAL

### FRIDAY EVENING, AUGUST 29, 1986

7:00 p.m.

***Located in Path Valley, Franklin County, on Route 75, 1 mile north of Willow Hill Exit on PA Turnpike, 3 miles south of Spring Run, PA.***

**★ 50 REGISTERED HOLSTEINS ★**
**35 MATURE COWS ★ 5 BRED HEIFERS**
**BALANCE YEARLINGS AND CALVES**

***Majority of Animals are calfhood vaccinated.***
***DHIA Herd Average- 17,994m, 3.60 percent, 659 fat.***

***Atlantic Sired and Bred Herd.***
***Records to over 20,000m, 800f.***
***7 recently fresh- 8 due for Sept. and Oct.***

"This is a very nice young herd with good individuals and several good cow families."

9 Animals sell sired by Kingway Elevation Very; 4 by Superior; 2 by Marvex; 2 by Stewart; 2 by Ivanhoe Star. Other sires include Glendell, Basic, Mil-Nor, Oak Star, Apollo Rocket, Penstar, and Harrisburg Gay Ideal.

**Service Sires include:** Joyland Forcaster, Mil-Nor, Stewart, Sir C Valor, Bachelor, Ranger and More.

**Features include:**

An Ivanhoe Star daughter due in September with 18,000m and 650 fat. Sells with 3 daughters; a fancy Very making a 15,000 lb. 2 year old record; a Milu Granddaughter with over 22,000m and a Marlu Basic yearling.

2 Maternal sisters from a Harrisburg Gay Ideal dam; one sired by Very, making a 14,000 2 year old record and a 4 year old sired by Superblend- due in September to Crescentmead Chief Stewart- made over 19,000 this lactation.

A nice Glendell Arlinda Chief bred 12-24-85; making 17,000 this lactation.

A fancy Mor-Clem Bootmaker Clem, 5 year old, due in September to Marlu Basic- finishing a 17,500 record this year with over 600 fat. Her dam is a 4.9 tester.

**Tie-stall cattle- Well cared for and in top condition- DHIA Records**
**All Registered- Vaccinated for Shipping Fever- 30 Day test**
***Don't miss this sale if you need good registered cattle that know how to work!***

Sale Managed By:

AUCTION SERVICE KLING'S

R.D. 1, Landisburg, PA 17040
Tel. (717) 789-3883
License No. AU-000500-L

**MARVIN N. ADAMS,** Owner
13671 Path Valley Road
Willow Hill, PA
(717) 349-2834

## Public Auction Register

Closing Date Monday 5 00 P M
of each week s publication

FRI. EVENING OCT. 3 - Franklin Co. Holstein Breeders Sale at Franklin Co. Fairgrounds, seven miles southwest of Chambersburg. Ralph W. Horst, Mgr. & Auct.

# Dairy and Livestock Sales

SAT. SEPT. 27 - 10AM Fall Heifer Sale. New Holland Sales Stables, Inc., New Holland, PA.

SAT. SEPT. 27 - 10AM Flea Market On PA Rt. 24 between Stewartstown & New Park. York Co. Livestock Sales Ltd. Stan & Mary Nagle, Owners.

SAT. SEPT. 27 - Powerline, Erection, & Construction Eq. For: Henkels & McCoy, Strinestown, PA. Vilsmeier Auct. Co., Inc.

SAT. SEPT. 27 - 11AM Horse Sale. Keister's Middleburg, Auction, along Rt. 522, Middleburg, PA.

SUN. SEPT. 28 - 1PM Colonial World Class Sale '86. Location: Eastern National, MD State Fairgrounds, Timonium, MD. Sponsored by: Colonial Charolais Assoc. Managed by: Buzz Garey, Garey Cattle Sales.

### OCTOBER

WED. OCT. 1 - Annual Cow Show & Sale-Show 9:30AM; Sale 12 Noon. At the Belleville Livestock Mkt., Inc., Belleville, PA. Good Line of Registered & Grade Dairy Cattle.

WED. OCT. 1 - 9AM Antiques & Collectibles. 449 Sheetz Ave., Northumberland, PA. Margaret Smith, Owner. Dockey, Dockey & Deppen, Aucts.

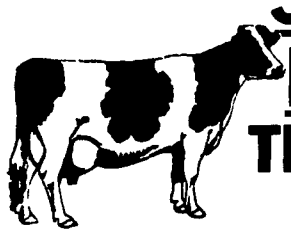
THURS. OCT. 2 - 11AM 100 Holteins. For Schaefer Farms, INC., WestWood Church Rd., off Rt. 523 N., 2 mis. N. of Rt. 31. 4 mis. NE of Flemington, NJ; 25 mis. SE of Easton, PA; 8 mis. SE of I-78. Use Rt. 31 S. Exit. Col. Fred R. Daniel Aucts., Inc.

FRI. OCT. 3 - 7PM New Saddle & Tack. Red Carpet Horse Sale, Cambria Co. Fairgrounds, Rt. 219N., Ebensburg, PA. K. Hines, C. Rowe.

SAT. OCT. 4 - Full Line Woodworking Tools. 1 mi. S. of Gap. John Algyer. Steve Petersheim & Steve Jr., Aucts.

SAT. OCT. 4 - MD Polled Hereford Assoc. Red, White, Blue Sale Plus Club Calf Sale. At the Frederick Fairgrounds, Frederick, MD.

SAT. OCT. 4 - Quilts, etc. House of His Creation Benefit. Steve Petersheim & Steve Jr., Aucts.



## 58 HOLSTEINS & FARM MACHINERY AUCTION

### THURSDAY, AUGUST 28, 1986
### at 11 A.M.

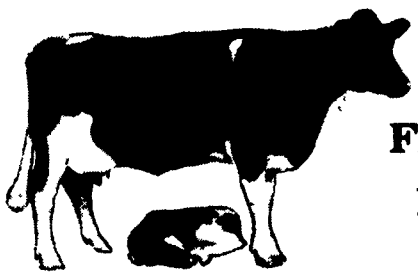
**For G. and F. Larney located on Rt. 609 (Ramseyburg Rd.) 3½ mi. W. of Hope, N.J. 2 mi. E. of Rt. 46! 2½ mi. E. of Pa. line, 16 mi. E. of Easton, Pa. and 10 mi. S. of Delaware Water Gap!**

**11 A.M. NO Small Items-** Oliver 88 Tractor- PS- WF, 2- Fox choppers, 2 row and 1 row corn hds, 5 ft. direct cut hd, JD #110 chuck wagon, Gehl PTO hi throw hopper blower, NH #33 flail chopper, Badger 225 bu manure spreader Sharp, 3- belt table blowers, IHC 13 hole grain drill w/fert, 12 ft. easy flo spreader, JD-HD double hitch tool bar, JD #930-3PTH- 12 ft. mulch harrow, plus other items!

**12 Noon- 58 Mature Holsteins-** 12 hd fresh recently, 8 hd Springing, balance bred for fall and year around production. 95% all home raised plus owner operated for some 57 years! Many cows milking very strong! Many cattle have well attached udders and show real dairy sharpness. The Larney Bros. are well known for having a good honest herd of cattle! Make plans now for additions or replacements in a state where cattle sell reasonable! Pregnancy examined! 30 Day T.B. & Blood tested for interstate shipment! **Terms- Cash or Good Check w/proper I.D. Full Payment Sale Day!**

Owners
**G. AND F. LARNEY**
201-459-4371

Sale Conducted By:
COL. FRED R. DANIEL AUCTIONEERS INC.
Neshanic Sta., N.J. 201-369-4784
(A Full Service Auction Co.)



## FALL MILK PRODUCTION SALE

### FRIDAY EVENING AUGUST 22, 1986 7:30 P.M.
### 100 HERD OF REG. & GRADE HOLSTEINS

**at Shady Lane Dairy Sales, Inc., RD 4 Quarryville, Pa.**
**¼ Mile West of Quarryville off Rt. 372 on Oak Bottom Rd.**

**#1-** Group of Cattle from Charles Dean & Family of Ridgely, Md. Special Mention-Grade Simon Daughter 21,330M 3.8 817 due Aug. 26. Also Reg. Cow with records over 20,000M, recently fresh & Springing. Reason for selling discontinuing farming.

**#2-** Group of Cattle from Green Acres Farms. All I.D. Grades with Production Records. Reason for selling- selling all grade cows.

**#3-** Group of Cattle from Lisa Reinhold all stages of lactation. Reg. & Grades. Reason for selling leaving farming.

**#4-** Group of Registered Cows from N.J. sires include Jet Stream, Fond Matt, Lester & Money Bags.

**#5-** Group of Top R & W Cattle all springing & close.

### "SALE HIGH LITE"

40 Head of outstanding first calves all springing & due early fall. Several fresh. Many calfhood vaccinated. Large in size- excellent dairy quality. A rare opportunity.

### STOCK BULLS SELLING

A Tradition Son out of a Persuader with 24000M as a 2 year old.

| | | | | | | |
|---|---|---|---|---|---|---|
| Next Dam | 03 | 10 | 365 | 38,920 | 4.0 | 1568. |
| Next Dam Ex 92 | 09 | 08 | 365 | 50,759 | 3.0 | 1548F. |

**A Bova Son out of a Elevation Dam.**

Plus Several More Reg. & Grade Bulls Coming for Sale.

Sale By:
**SHADY LANE DAIRY SALES INC.**
RD 4 Box 463
Quarryville, Pa. 17566

Glenn D. Fite
717 786-2750

David L. Fite
717 786-1725

## PUBLIC AUCTION

**78 ACRE FARM**
**(ZONED INDUSTRIAL)**
**FARM MACHINERY; ANTIQUES; HOUSEHOLD GOODS**

### SAT., AUG. 23, 1986
at 9:00 A.M.
REAL ESTATE 12:30 P.M.

**78 Acre farm (Zoned Industrial). Conewago Township, York County, Northeastern School District - 1 mile off Rt. 83 at Exit 12, East. Approximately 450 foot road frontage. Large frame house with aluminum siding, 3 rooms on the first floor - 3 bedrooms and a bath on second floor. Hot water furnace. Enclosed rear porch. Large frame barn, hog pen, corn barn, 2 bay workshop, and other out buildings. This farm is only 15 miles south of Harrisburg, PA and 8 miles north of York, PA and adjoins Interstate 83.**

**FOR INSPECTION PHONE (717) 764-6412**
**TERMS: 10% DOWN, BALANCE IN 45 DAYS**

### ANTIQUES & HOUSEHOLD

2 Zinc lined dry sinks, dresser, oak round table, oak beds, kitchen cupboard, oak table, cedar chest, wash stand, library table, rope bed, old high chair, side board, oak potty seat, large oak bookcase or china closet w/beveled glass doors, marble top stand, oak extension table, 4 pcs. bedroom suite, 4 drawer file cabinet, wooden rocker, sewing stand, wicker child's rocker, Singer sewing machine, toy high chair, cane rocker, cheese boxes, wooden chairs, baby go-cart, baskets, Aladdin lamp, steins, picture & frames, green & amber Depression pcs., dolls, old comic books, children's books, dresser scarfs & doilies, crocks, Roseville vase, Blue Wild Rose plates, Corningware, sterling baby spoon, salt & pepper collections, pots & pans, wooden bowl, ½ peck measures, comforts, bed spreads, blankets, Anniversary clock, cast iron kettles, kerosene lights, Union F.D. Suit, kitchen appliances, Tappon bottle gas stove, Frigidaire ref./freezer, Kelvinator chest freezer, Maytag wringer washer, Dexter washer, RCA colored TV, jars & many items not mentioned.

### GUNS

**STOSEL AUTOMATIC PISTOL 765 CAL.; WINCHESTER MODEL 61 22 LR; WINCHESTER MODEL 94 30 CAL.; WINCHESTER MODEL 12 12 GA. PUMP; IVER JOHNSON'S 12 GA. SINGLE SHOT.**

### FARM EQUIPMENT & VEHICLES

**1950 CHEV. PICK-UP TRUCK IN RUNNING CONDITION; 1950 CADILLAC CAR IN RUNNING CONDITION.**

Massey Ferguson 65 w/3 pt., John Deere 50 tractor, John Deere Styled A, Farmall BN, John Deere 45 loader, New Idea #7 picker, New Holland 77 Baler w/motor, (2) New Idea PTO trailer mowers, New Holland 28 ft. elevator, New Idea 12A spreader, Van Brent grain Drill, J.D. 44 plow - 2 bottom, New Idea Side Rake on steel, Int. 2 row corn planter, Allis Chalmers 60 combine w/A.C. motor, Int. 10 ft. disk, Brillion 10 ft. culipacker, 3 section Spring Harrow, Spike Harrow, M.F. 3 pt. 3 Bottom Plow, New Holland Hammermill, 2 hole corn sheller, wheelbarrows, hog troughs, scalding trough, chicken crates, chicken feeders, platform scales, extension ladders, (1) wagon w/sides, wooden egg crates, baskets, hand tools, anvil, fertilizer, tool boxes, chains, forks, & 100's of items not mentioned.

**AUCTIONEER'S NOTE:** There was never a sale before at this property & there are many items not mentioned in which we are finding in getting ready for sale. We will be selling double most of the day with 2 auctioneers.

TERMS: CASH OR GOOD CHECK.

**ESTATE OF ERVIN WEIRE**
Executor: York Bank & Trust Co.
Attorney: Fred Feldmann

AUCTIONEER:
Blaine N. Rentzel - #761-L
Emigsville, PA
(717) 764-6412

*2 DAY UNRESERVED*

# PUBLIC AUCTION

## OF THE LIBRARIES AND COLLECTIONS OF

H. GLENN BAKER, JULIA E. BYRD, MRS. HARRY GROFF, DR. RAYMOND R. STAYER AND LEON K. WALTERS

## SATURDAY, AUG. 30th and MONDAY SEPT. 1st, 1986

Sale Time- 8:30 A.M. (both days)

To be held at the Farmersville Fire Hall, E. Farmersville Rd., Farmersville, Lanc. Co., Pa., COMPLETE 61 PAGE CATALOGUE AVAILABLE by mailing $6.50 to C.E. Spohn, c/o Book Auction, 837-B W. Main St., Ephrata, Pa. 17522. (Mail Bids Accepted). **1,611 Lots consisting of over 4,500 Books - Penna. German & General Penna. History & Literature, Church of the Brethren Publications & Misc. Books of Interest and over 600 Lancaster County Documents.**

Over 2,500 Vol.'s of Penna. History: Lanc. County - 1864 & '75 Atlases; 1844, 1869, 1872, 1883, 1924 Lanc. Co. Hist.'s; 1894 & 1903 Lanc. Co. Bio. Hist.'s; Lanc. Co. Hist. Soc. Journals; Eshleman/"Lanc. Co. Indians", 1908; Histories of Berks, York, Montgomery, Lehigh, Blair Co.'s; Penna. German Folklore Society & Penna. German Society Pub.'s; OVER 600 LANC. CO. (Lanc. Boro & Manheim Twp.) DOCUMENTS- Documents of the Bard, Keller, Sharp, Frick, etc. Families; 1786, 1813 & 1816 Lanc. Tavern & Liquor Licenses; RARE 1818 Lanc. Dog License; Indentures & Draft mentioned James Buchanan; DOCUMENTS BY CHRISTIAN STRENGE ( FRAKTUR ARTIST); 2 RARE INTERIOR VIEWS OF TRINITY LUTH. CHURCH, LANC., 1866, Ephrata Impreints - 2 1748/49 Ephrata Martyr's Mirror, etc.; OVER 340 VOL.'S PUB./WRITTEN by THE CHURCH OF THE BRETHREN- Church histories, Biographies, etc.; RARE "The U.S. ALBUM...", PUB Lanc., 1844; Thousands of Books to Numerous To Mention!!!

**6% Pa. Sales Tax Will Be Charged.**

Terms by
**T. GLENN HORST & SON, INC.**
(Agent for Owners)

**Auctioneers:**
T. Glenn Horst (717-859-1331)
AU-000438-L
Timothy G. Horst (717-738-1245)
AU-001767-L
**Catalogue by:**
Clarence E. Spohn (717-733-6276)

# The TRUCK AUCTION

Frystown, Pennsylvania
At Exit 2 of Interstate 78 At The TTMA Truck Plaza

Next Sale

## WEDNESDAY, AUGUST 20, 1986

12 Noon

Consign Your Tractor - Trailer - Straight Truck - Heavy Duty Truck - Dump - Flatbed - Consign Your Tools - Parts - Tires - Shop Equipment.

**FEE SCHEDULED FOR VEHICLES:** Entrance Fee **$50.00 per vehicle**, sold or reserved. Buyers Fee **$50.00 per vehicle**. "No Commission", no other hidden fees except the normal title and transfer fees. **Title Service Available**, tags and plates.

**TOOLS - PARTS - TIRES - SHOP EQUIPMENT - 10%** commission, no buyers fee. These items sold on pallets, large lots recommended. No piece meal. Absolute auction only for these itmes.

**WE DO - Complete Fleet Liquidations, Heavy Equipment Liquidations, your lot or ours.**

**SALE SITE:** The Auction is held adjacent to the TTMA Truck Plaza, Frystown, PA at the intersection of Route 645 and Interstate 78 (just off the ramp of Exit 2 of Interstate 78). See Auction signs.

**DIRECTIONS FROM ALLENTOWN - TTMA** Exit 2 is 40 miles West of Allentown on Interstate 78.

**DIRECTIONS FROM HARRISBURG - TTMA Exit 2 is 30 miles East of Harrisburg. Use I-81 to Interstate 78 East. Get off at Exit 2, the Frystown Exit.**

**TERMS: COMPLETE PAYMENT SALE DAY IN CASH OR GUARANTEED FUNDS.** Payment for all items must be made in full on Sale Day with Cash, Cashiers Check, Travelers Check, or Money Order. Personal or Company check will only be accepted with a Valid Bank Letter of Guaranteed Payment. Sample letter of guaranteed payment: "Mr _____ is a customer of our bank, and we will guarantee payment of checks written on his account up to (specify amount) dollars for purchases at your auction sale on August 20, 1986." All guaranteed checks are to be made payable to Ebersole & Shoop Auctioneers.

**MOTEL ACCOMODATIONS:** At the TTMA Truck Plaza phone 717-933-4171 for motel reservations. Other Services at the TTMA Truck Plaza include complete truck wash, fuel and a fine restuarant.

**Auction Conducted By:**

*Ebersole & Shoop, Auctioneers*

**Real Estate Brokers - Auctioneers**

Nelson L. Ebersole, License #AU-001307-L
Ira R Shoop, License #AU-001631-L

**SALE MANAGER: Norman J. Ebersole.** Phone (717) 867-2771. Call ahead to consign your vehicles. Appreciate early registration. Vehicles will be accepted as late as morning of Sale from 7:30 to 11:00 a.m.

# Dairy and Livestock Sales

## 10TH BERKS CO.

# CLUB SALE

## THURS., AUGUST 28, 1986

AT 7:30 P.M.

Reading Fairgrounds

Directions: Located behind the Fairgrounds Square Mall which is 1 mile northwest of Reading between Rts. 61 & 222.

### 55 HEAD REGISTERED HOLSTEIN 55

**Sires of animals selling:** Milu Valiant Chairman, Monitor, Glen-Valley Star, Wileeda Sexation Wiseman, Jerry, Spirit & many more

**FEATURED ANIMALS:** Milu, selling fresh, dam VG 85 Arlinda Comm w/21,760, 3 4 743f at 3 years 2nd dam VG 86 w/30,000m 3 times over 1,000f 3rd dam VG 85 w/over 25 000m 1000f from Hidden View Farms

Valiant, just fresh from VG 86 Pete, twice over 20 000m 780f 2nd dam GP 84 w/30 000m 1,000f, Nevin Mast

Spirit bred heifer due in Sept from VG 86 Pete, twice over 19,600m, 770 2nd dam VG 85 Arlinda Chief w/117,000 lifetime 3rd dam VG 86 Apollo Heifer is bred to Sir C Valor Jay Bicksler

Conductor fresh in June from a VG 85 Elevation w/first three records over 21 500m & 2 records over 800f Reu-hel Farms, Inc

Cinnamon fresh in July w/2nd calf from a VG 86 Astronaut King Next 4 nearest dams are all over 160,000 lifetime & scored VG but 1 (GP 83), Vista Grande Farms

Glen Valley Star VG 87 w/excellent mammary w/record at 4 years, 7 months 365 23,889, 4 4 1,042f Safe in calf to Valiant Also selling her Valiant bred heifer, due Feb to Hardy Starwars from Jeff Lapish

Jewelmaker fresh July from a VG 86 dam w/over 25,000m, 873f 2nd dam, VG 88 from Keystone Farms

Wagnercrest, bred heifer due in Sept to Milu from a VG 85 Elevation w/excellent mammary from Craig & Larry Grumbine

Elevate, bred heifer from a GP 83 dam w/over 21,000m, 844f 2nd dam is excellent 90-2E w/over 20,000m, 839f 3rd dam is VG 87 Astronaut from David E Weaver

**Sale managed by**

**BACKUS ASSOCIATES, INC.**
*Sale Managers & Auctioneers*
AU-000034-L
Mexico NY 315 953 7231
P O Box 424 Elizabethtown PA 17022 717 367 9236

SAT. OCT 4 - 9AM Used Tack, Harness & Equipment. Red Carpet Draft & Driving Horse Sale Cambria Co. Fairgrounds Rt 219N, Ebensburg, P James Howard, Chr Rowe, Kevin Hines

SAT OCT 4 - 10AM Hay Sale On PA Rt. 24 between Stewartstown & New Park. York Co Livestock Sales Ltd. Stan & Mary Nagle, Owners.

FRI OCT 10 - 1:30PM PA State Graded Feeder Pigs Carlisle Livestock Market Exit 12 off I-81.

SAT OCT. 11 - 10AM Flea Market On PA Rt. 24 between Stewartstown & New Park. York Co Livestock Sales Ltd. Stan & Mary Nagle, Owners.

SAT OCT 11 - 10AM 50 Acre Farm, Farm Eq. Horses, Cattle, HH. Take Rt. 30 by-pass of York to Rt. 24 (Longstown Rd.), S 4 mis. to Windsor Rd. thence E. ½ mi. to Dietz Rd., turn N. 1 mi. to Sale in Windsor Twp., York Co PA. Charles W. Dietz, Owner Clair R Slaybaugh, Auct.

MON. OCT. 11 - Riverwood Dispersal at Riverwood Farms, Powell OH. Buzz Garey, Garey Cattle Sales.

FRI. OCT. 17 - 6:30PM Feeder Pig & Feeder Cattle Sale. Keister's Middleburg, Auction, along Rt. 522, Middleburg, PA.

FRI. OCT 17 - 7PM State Graded Feeder Sale Penns Valley Livestock Auction, Centre Hall, PA Scott Yocum.

THURS. OCT. 16 & SAT OCT. 18 - 9:30AM Farm Eq., Antiques. Estate of G Mills Bockoven, Pleasant Plains Rd. (Harding Twp.). Basking Rdige, NJ; 13 mis. N. of Somerville, NJ, 6 mis. S. of Morristown, NJ. Use Exit 26 (N. Maple Ave.-Basking Ridge Exit) off Rt. 287 take N. Maple Ave. S. ¼ mi. to light, turn left onto Madisonville Rd. go ¼ mi. past Penn Brook Golf Course to 1st right Pleasant Plains Rd. Col Fred R. Daniel Aucts., Inc.

SAT. OCT. 18 - 10AM Hay Sale On PA Rt. 24 between Stewartstown & New Park. York Co. Livestock Sales, Ltd. Stan & Mary Nagle, Owners.

# KREIDER-DELL DAIRY FARM

Complete Reg. Milking Herd
Bred & Open Heifer Dispersal
For Robert & Lois Kreider
Horseshoe Pike, Lebanon Co.

## THURSDAY, AUGUST 28, 1986- 8 P.M. D.S.T.

At Smoketown Quality Dairy Sales, Smoketown, Pa Rt. 340

### 85 HEAD COWS AND HEIFERS

All home raised- All calfhood vacc Creamerey records show herd avg. 15,500m. 3.6% Avg Age. 4 yr. 9m. Fall bred herd due Aug , Sept , Oct., Nov Some fresh June & July Fancy group of heifer's. Some bred for fall freshening. Cow families- DAMS, Dtrs. Grdams- Good uddered herd of cows Some milking 60 to 80 lbs. per day Some have milked 90 to 100 lbs per day Milk weights night of sale. Robert was a Holstein Breeder for 39 years is retiring from Dairying.

### SELECT SIRE BREEDING

**Sires:**

Elevation Son
Astronaut Son
Monitor Son
Arlinda Chief Son
Bootmaker Son
Kingpin Son
Conductor Son
Valiant Son
Tony Son
Wagnercrest Ivanhoe
Astronaut

**Service Sires:**

Elevation Sky High
Long Haven
Arthur Twin
Eng. Amer Chief Winston
Rudmar Maximilian
Mowery K Brass Nugget ET
Mil-Nor-II Ac Twin

**T.B. & Bld. Test- 30 Days- Innoculated For Shipping Fever.**

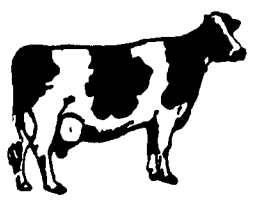
Lunch
Catalogs
Night of Sale

Sale Managed By:
**SMOKETOWN QUALITY DAIRY SALES**
Gordon & Helen Fritz
717 393-0930

# DAIRY HEIFER AUCTION

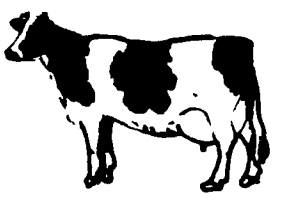
## *FRIDAY EVE., AUGUST 22, 1986-* 7:00 P.M. Sharp

**Selling at Kling's Sale Barn, located in Perry Co., 15 miles North of Carlisle, on rt. 74, 2½ miles N.E. of Landisburg, Pa.**



**100 HOLSTEIN HEIFERS 100**

**(All Springing or Just Fresh)**



Art Kling sells- 50 Heifers- over half registered;
25 raised on the farm - all vaccinated
Some with records on dams; 25 Registered Canadians Heifers-
Majority will be close or fresh-few bred for Sept. & October.

James Stambaugh, Elliottsburg, Pa. sends 7 registered and 5 I D Grades-
All from same herd- A-I sired-vaccinated- Records on dams; plus
15 big well-grown fancy grade heifers- A few will sell fresh-
Balance due Sept. & October.

Fred Potteiger, Carlisle, Pa. sends 25 fresh and springing heifers-
Some just fresh and milking over 60 lbs. now- Top quality
heifers that you will like

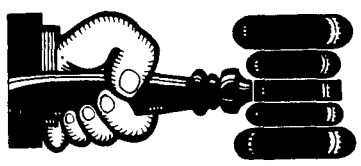
**Also several other local consignments.**

AUCTION SERVICE KLING'S

**Sale Managed by-**
**ART KLING,** Lic. #500
**Landisburg, Pa.**
**717-789-3883**

## Public Auction Register

Closing Date Monday 5 00 P M
of each week s publication



## AUCTIONEER'S DIRECTORY

### NOTICE

To assure that your Public Sale appears in the Public Sale Section we must have your advertisement by 4 P M Tuesday of each week's publication

### WOLGEMUTH AUCTIONEERS

R D #2 Manheim Pa

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717 569 8701

**LLOYD H. KREIDER**
AUCTIONEER
717 786 3394

**ROY E. GOOD, JR.**
RD 1 BOX 151 A
DENVER PA 17517
215 445-4309

## WHITFORD SALES COMPANY

L. ROBERT FRAME & SONS, AUCTIONEERS

ROBERT FRAME SR
Intake Stables Inc
Paradise PA

L ROBERT FRAME JR ESQ
P O Box 100
Uwchland PA 19480

Years Of Complete And Experienced Auction Service We Will Buy Your Farm, Machinery And Cattle OR Sell Them For You At Public Auction For Their Highest Market Value!

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(215) 458 8518
ROB (215) 458 5060
Licensed and Bonded
"Eastern Pennsylvania's Foremost Auction Company."

# Dairy and Livestock Sales

SAT. OCT. 18 - 12 Noon Exceptional 113 Acre Crop & Beef Cattle Farm. Take Rt. 234 from Biglerville Square East off Rt. 34, 1 mi. to Guernsey Rd. thence N. ½ mi. to Guernsey and The Quaker Run Rd. going N. ½ mi. to sale in Butler Twp., Adams Co., PA. Hansford & Ruth Snead, Owners. Clair R. Slaybaugh, Auct.

SAT. OCT. 18 - 5:30PM Consignment Auction of Older Farm Toys at Lancaster Mennonite School Gym, Rt. 30 E. of Lanc., PA. Farm Toy Show Same Day 8:30AM. 717-768-3554.

TUES. OCT. 21 - 11AM Complete Purebred Herd Dispersal located 5 mis. S. of New Holland, 4 mis. E. of Intercourse, New Holland, RD 2. Terms by: J.S. Dienner & Sons. Paul Snyder, Auct.

FRI. OCT. 24 - 1PM Fall Dairy & Heifer Sale. Penns Valley Livestock Auction, Centre Hall, PA. Scott Yocum.

FRI. & SAT. OCT. 24 & 25 - Construction Eq. & Trucks. For: Associated Builders & Contractors, Harrisburg, PA. Vilsmeier Auct. Co., Inc.

SAT. OCT. 25 - 11AM Horse Sale. Keister's Middleburg Auction, along Rt. 522, Middleburg, PA.

SAT. OCT. 25 - 1PM Two Prime Farms in Manor Twp., 131 adjoining acres Limestone soil, 3 houses. Located Lanc. Co., PA. 8 mis. SW of Lancaster City. 2 mis. W. of Millersville. 5 mis. W. of New Danville. Along Letart Rd. opposite Am Letart School. Avery Hess Partnership, Owners. Steve & Steve Jr. Petersheim, Aucts.

WED. OCT. 29 - 9AM Dairy Show & Sale. New Holland Sales Stables, Inc., New Holland, PA.

### NOVEMBER

SAT. NOV. 1 - 10AM Hay Sale On PA Rt. 24 between Stewartstown & New Park. York Co. Livestock Sales Ltd. Stan & Mary Nagle, Owners.

TUES. NOV. 4 - 7:30PM Feeder Pig & Cattle Sale. Penns Valley Livestock Auction, Centre Hall, PA. Scott Yocum.

FRI. NOV. 7 - 9AM Farm Eq. New Holland Sales Stables, Inc., New Holland, PA.

FRI. NOV. 7 - 6PM Fall Heifer Sale at the Belleville Livestock Mkt., Belleville, PA. 717-935-2146.

FRI. NOV. 14 - 1:30PM PA State Graded Feeder Pigs. Carlisle Livestock Market, Exit 12 off I-81.

FRI. NOV. 21 - 6:30PM Feeder Pig & Feeder Cattle. Keister's Middleburg Auction, along Rt. 522, Middleburg, PA.

FRI. NOV. 28 - 1PM Dairy Sale. Penns Valley Livestock Auction, Centre Hall, PA. Scott Yocum.

SAT. NOV. 29 - 11AM Horse Sale. Keister's Middleburg Auction, along Rt. 522, Middleburg, PA.

### DECEMBER

FRI. DEC. 12 - 1:30PM PA State Graded Feeder Pigs. Carlisle Livestock Market, Exit 12 Off I-81.

**DEALER IN ALL KINDS OF LIVESTOCK**

Also Crippled & Down Cattle

**MARLIN S. IRWIN**
Quarryville, PA
PH: 717-786-3016

## PIGS

STATE GRADED SALE

**FRI., AUG. 22**
**1:30 P.M.**

AT
WESTMINSTER LIVESTOCK AUCTION
Westminster, Md.
Phone (301)848-9820

# MEL KOLB, INC.

## Registered Jersey Dispersal

**to be held on Thursday Night, Aug. 21, 1986 — 7:30 P.M.**

**OWNERS: Herbert Dubin Family** — **Union Bridge, MD.**

**LOCATION:** At my Maryland farm located ½ mile N.W. of Woodsboro. Route 550 in Frederick County.

**— 34 — HEAD OF REGISTERED JERSEYS — 34 —**
29 Mature Cows — 3 Bred Heifers — 2 Open Heifers

**7 Cows Fresh in Last 30 Days**
**3 Cows due in September, 2 Cows due in October**
**3 in December. Balance due throughout year.**

**DTRS. BY:**
Master C
Favorite Saint
Willrich Mercury
Mayfield Volunteer Bruce
Milestone Generator
TENN Soldier Pride

**SERVICE SIRES:**
Legend
Top Saint
Boss Man
Banner Fare
Fan Fare
Nippersink

**1 EX Cow by Jody's Noble Surville with 13,633m 5.0% 670f**

**This herd is in Ex condition. Many have been shown at State & National shows.**

**This is the time to build base milk with Jerseys high test & protein; records up to 15,730 5.3% 836f 365d**

**See You Thursday Night August 21, 1986 - 7:30 P.M.**

**at the WOODSBORO, MD. FARM**

Auctioneer- Robert C. Mullendore #AU-000644-L

FRESH & CLOSE
COWS & HEIFERS

# MELVIN KOLB, INC.

# X-TRA SPECIAL

## MARYLAND HOLSTEIN AUCTION

## Thursday Night, August 21st, 1986

## 7:30 P.M.

**LOCATION:** At my MARYLAND FARM located ½ mile northwest of WOODSBORO, Route 550, in Frederick County.

## — 150 QUALITY HOLSTEINS 150 —

**ADD SOME FRESH COWS TO MAKE BASE!!** We will have 150 head of the finest grade and purebred cattle! 100 head will be just fresh, milking up to 100 lbs. per day! 50 head will be close springers!

1 Load of PB & Grades from the New England States!
1 Load of Grade cows from NY State, really milking!
1 Load of PB & Grades from Maine!
1 Load of PB & Grades from Massachusetts!
1 Load of PB & Grades from Western PA!
1 Load of good cows from Maryland!

## SPECIAL MENTION

a CAL-CLARK BOARD CHAIRMAN son, born 12/31/84 from an ELEVATION dam EX-2E as 3-08 2x 305d 21,776m 4.4 866f, next dam an Irvington Pride Admiral dau. EX,90 as 5-04 365d 2x 23,020m 3.9% 892f, next dam an EX,3E Rosafe Citation R dau. as 5-00 2x 22,560m 3.4% 761f, next dam is EX,90 5-0 365d 2x 20,320m 4.3% 879f.
a 3 yr. old HILLTOPPER WARDEN dau. bred 11/9/85 to Mar-Jon Perfection, her dam a Marquis Ned dau. GP M115-F128% of BCA.
a 2 yr. old VALIANT dau., bred 11/26/85 to Elevation Marc, her dam a Chapel Bank Apache dau., VG,87, 20,164m 4.3% 859f, a real nice heifer.
a 2 yr. old BELL dau., fresh. Her dam a Marvex dau. as 2-04 2x 305d 16,880m 3.4% 581f, next dam a Paclamar Net Profit dau., as 6-00 2x 305d 27,260m 903f.
two very nice TRIPLE THREAT-RED daus., one a R&W bred 11/7/85 to Robe-Jan Skyler Chief, the other one is fresh.
a fancy GIL-TEX-B MILKMASTER-TWIN dau., bred 11/2/85 to Lone Ranger, as 3-3 15,457m 3.8% 587f.
a 3 yr. old WILLOW-FARM ROCKMAN IVANHOE dau., bred 11/13/85 to Ty Gould Trendy.
a 3 yr. old AGRO-ACRES MARQUIS NED dau., bred to KIMMICH FARMS BOOTMAKER BOOTS, springing close, her dam is GP as 3-05 305d 13,598m 4.4% 544f.
a 2 yr. old COLUMBUS dau., just fresh.
a 2 yr. old S-S-F ASTRONAUT BRAVO dau., bred 11/6/85 to Facer Farms Bestway.
a 3 yr. old OAK-HILLRANCH KIT dau., bred 10/30/85 to Kimmich Farms Bootmaker Boot.
a 3 yr. old OAK RIDGER LEGEND dau., fresh.
a 2 yr. old ROMANDALE FOND COUNT dau. just fresh.
a 3 yr. old CAL-CLARK CUTLASS dau. just fresh.
a 2 yr. old DOWNALANE NEON dau., just fresh.
3 Jersey Cows... fresh!
2 nice 2nd calf Lineback heifers, fresh.
2 PB Ayrshire cows, just fresh.
4 Guernsey cows!
And some top breeding Purebred heifer calves will be sold.

**FREE LUNCH**
**for all dairy farmers**

**FARMERS, if you need some really good cows to MAKE BASE, come to this sale on Aug. 21st at 7:30 p.m. FREE LUNCH FOR ALL DAIRYMEN!**

**DOOR PRIZE: Purebred Heifer Calf**
**Must be a buyer to be eligible & present to win.**

**Auctioneer: Robert Mullendore AU-000644-L**
**Pedigrees: Henry Kettering**
**Sale Manager: Thomas & Mel Kolb**

**MD Farm:**
**11342 Creagerstown Rd.**
**Woodsboro, MD 21798**
**301-898-7663 or**
**301-898-7720**

# PURINA ROUGHAGE EXTENDER II

## Is Hay Priced High?
## Running Short Of Forages?
## Need To Meet Your Fiber Requirements?

**Now Is The Time To Try Roughage Extender II.**

- Increase Or Maintain Your Butterfat.
- Feed Less Lbs. Of Grain To Properly Balance Your Program

**Available In Large Pellet Form At A Very Economical Price.**

**TAG GUARANTEE**

Protein - 11.0% Min.

Fat - 1.0% Min.

Fiber - 28.0% Min./Max.

Plus fortified with Vitamin A & D

## Stretch Your Hay and Corn Silage Supplies Now... Work It Into Your Program!

## See Your Purina Dealer Today!

**BERRYMAN'S MILLS, INC.**
Box #181, Rte 75 Old Port
Port Royal, PA 17082
717/527-2274

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R D #4 - 23 N Park Street
717/866-2324
Richland, PA 17087

**HIGH BROTHERS**
441 Centerville Road
Gordonville, PA 17529
717/354-0301

**FRANKLIN FEED**
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Chambersburg PA 17201
717/264-6148
Altenwald Div
717/264 6619
717/762 2390

**WARRIOR'S MARK FEED CENTER**
P O Box #130
Warriors Mark, PA 16877
814/632-8623

**HESS MILLS**
Paradise, PA 17562
717-442-4183
717-768-3301
Unionville, PA 19375
215/347:2377

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Lebanon, PA 17042

**PHILLIPS FEED SERVICE, INC.**
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215/837-6061
Morgantown PA 19543
215/286 9029
Germansville PA 18053
215/767 3819

**ALBRIGHT'S MILL**
P O Box #195
Kempton, PA 19529
215/756-6022

**CLARK'S AG CENTER**
Main Street, P O Box #36
Turbotville, PA 17772
717/275-2613

**KEYSTONE MILLS**
R D #3, Lancaster Avenue
Ephrata, PA 17522
717/354-4616

**FARMER'S UNION CO-OP**
30 East Walters Avenue
Greencastle, PA 17225
717/597-3191

**WOODSTOWN ICE & COAL CO., INC.**
50 East Grant Street
Woodstown, NJ 08098
609/769-0069

**WEST WILLOW FARMERS' ASSOC.**
R D #1
West Willow, PA 17583
717/464 3386

PURINA MILLS, INC.

**Feeds designed with you in mind.** ®